

DIPLOMA III PROGRAMS



Introduction

The rapid growth of industrial world in globalization era requires skilled, professional and independent human resource that has good personality and discipline. Vocational Higher Education Institution is the answer to this.

State Polytechnic of Sriwijaya as one of higher vocational education institution which produces professionals who have relevant skills for industry or stakeholder, continuously maintain and improve the quality of education for nation's development.

In welcoming Asean Economic Community Year 2015, information and communication holds very important role for higher education institution. For informing public about education in State Polytechnic of Sriwijaya, Prospectus of State Polytechnic of Sriwijaya has been published. This prospectus describes general information about educational system, Department/Study Program, educational facilities, human resource, and regulation in State Polytechnic of Sriwijaya.

It is hoped that this prospectus will be beneficial for public and stakeholders of State Polytechnic of Sriwijaya.

Thank you.

RD.Kusumanto, ST, M.M.
Director.



HISTORY

State Polytechnic of Sriwijaya (Polsri), formerly named as Polytechnic of Sriwijaya University (Unsri) was formally opened on 20 September 1982. At the beginning, it had only 2 (two) Departments-Civil Engineering and Mechanical Engineering Department-with a maximum capacity of 576 students. The employed human resources and curriculum were assembled nationally and centered in Polytechnic Education Development Center (PEDC) in Bandung.

In second phase, in year 1986, Polytechnic expanded Commerce Department consisting of two concentrations-Accounting and Administration. Then

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in 1987, Polytechnic expanded the field of Engineering. The new fields of Engineering were Electrical, Electronics, Telecommunication, and Industrial Chemical Engineering. In 1992, Commerce Department evolved into two departments, namely Department of Accounting and Department of Business Administration. Experts who helped in the development of engineering were from Swiss Contact, while experts for commerce were from Australia.

Development of Polytechnic which can produce graduates who can fulfill local, national and international job market demand makes Polytechnic independent since 1998 as stated in Decree of Education and Culture Minister Number: 235/O/1998 and it changed its name into State Polytechnic of Sriwijaya.

In the year 2002/2003 two new departments-Computer Engineering and Information Management were established. This establishment was set based on the Director General of Higher Education letter No. 2800/D/T/2001.

Besides Diploma III program (DIII), right now State Polytechnic of Sriwijaya has Applied Science Program (DIV) for Road and Bridge Design which was opened in 2002 and Energy Engineering which was opened in 2009.

Until now State Polytechnic of Sriwijaya has been cooperated with governmental agencies and industries. Polsri and Government of South Sumatera Province opened cooperation class for Power Plant Concentration. Polsri and Conocophillips opened cooperation classes for Mechanical Engineering and Chemical Engineering. In the academic year 2011/2012 Polsri and JOB Pertamina Talisman Jambi Merang opened cooperation class for Chemical Engineering. Besides that starting from 2010 to 2012 Polsri and PT PLN (Persero) opened cooperation classes in Electrical Engineering Study Program for candidate employees of PT PLN (Persero). In 2012 Polsri was one out of three Polytechnics in Indonesia which was pointed as the institution of Past Learning Recognition (PLR) pilot project program.

Vision

Toward a leading, qualified and innovative vocational education institution.

Mission

1. improving quality of education management in the field of engineering and non-engineering based on quality assurance system;
2. developing, disseminating, and applying science, technology, art and good quality of applied research results for productive activities and for improving the quality of community life;
3. developing organization and improving the quality of resource management to achieve effective, efficient, and sustainable performance;
4. enhancing partnerships with third parties for mutual benefit in order to improve the quality of Tri Dharma.

Purposes

1. To increase the number of graduates that have good quality, high discipline, good morale, entrepreneurial spirit, environmental concept, and up to date information about industrial development;
2. To enhance the dissemination of science, technology and art, and qualified results of applied research to be used in productive activities and improve the quality of community life;
3. To increase the quality of management by empowering and developing organization based on the principles of good governance and able to face future challenges;
4. To increase the quality and the efficiency of educational management service;
5. To increase the quantity and quality of mutual benefit partnerships with third parties;
6. To enhance partnerships with third parties for mutual benefit in order to improve the quality of Tri Dharma.

Advantages

- Six-Semester-Long Education for D III program and Eight-Semester-Long Education for D IV program
- Competency-based Education
- Experienced and Skilled Lecturers
- Open, skilled and high work ethic performance

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- Work ready and competitive graduates for global market era

Public Facilities

- Mosque
- Parking Lot
- Public Facility Building
- Two Story Parking Lot
- Hotspot Area
- Wall Climbing
- ICT Center
- Tennis Court
- Indoor Badminton



CIVIL ENGINEERING (D3)

Introduction

Civil Engineering is one of the two oldest departments in the State Polytechnic Sriwijaya. It was established in 1982. It has produced thousands of alumni who work for government and private agencies. Civil Engineering Department continues to develop. The strength of Civil Engineering that support its development are:

- B level of Accreditation
- Job market for graduates is promising
- The waiting time for graduates to get first job is relatively short.
- The development of infrastructure is increasing.
- It has applied science bachelor Degree (D IV).
- Production-based education system
- Academic staff with relevant education background.

Facilities available can be used not only for supporting the process of teaching and learning but also for public trainings and services.

Vision

Toward a leading vocational department in the field of Civil Engineering.

Mission

1. Improve the quality of vocational education in the field of Civil Engineering under quality assurance system;
2. Develop, disseminate, and apply knowledge and research results in the field of Civil Engineering to be used in productive activities and to improve the quality of people's lives;
3. Develop organization and improve the quality of resource management in Civil Engineering Department to achieve effective, efficient, and sustainable performance;
4. Enhance mutual benefit partnerships with third parties in the field of Civil Engineering in order to improve the quality of Tri Dharma.

Purposes

1. .To increase the quality of graduates- discipline, morale, entrepreneurship, environmental insight , and relevancy to the development of industry in the field of Civil Engineering;
2. To increase the dissemination of science, technology and research results in the field of Civil Engineering to be used in construction engineering;
3. To increase the quality of management in Civil Engineering through empowerment and development of organization based on the principles of good governance and be able to face future challenges;

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4. To increase the quality and efficiency of services in the field of education in Civil Engineering Department;
5. To increase the quantity and quality of partnerships with others in the field of Civil Engineering in order to improve the quality of Tri Dharma.

Targets

1. The end of the academic year 2013/2014 at least 75% of graduates' GPA ≥ 3.25 ;
2. The end of the academic year 2013/2014 at least 80% of graduates' job waiting period ≤ 6 months;
3. The end of the academic year 2013/2014 at least 30% of graduates have at least one (1) certificate of expertise/skill;
4. The end of the academic year 2013/2014 the number faculty research at least 5 titles per year;
5. The end of the academic year 2013/2014 the number of community services at least 5 titles per year.

Strategies to Achieve Targets

Strategies for Achieving Target 1

1. Design and prepare materials and learning process that fit the desired competencies of stakeholders;
2. Monitor and control the learning process;
3. Improve instructional methods and media.

Strategies for Achieving Target 2

1. Cooperate with industry;
2. Establish communication links with alumni;
3. Organize briefing for all prospective graduates.

Strategies for Achieving Target 3

1. Cooperate with the professional associations primarily with LPJKD South Sumatra;
2. Establish communication links with Polstri Alumni Association;
3. Invite alumni to share experience with prospective graduates;
4. Implement training and competency testing in the field of civil engineering.

Strategies for Achieving Target 4

1. Cooperate third parties in the field of research;
2. Implement training for faculty on research methods;
3. Invite lecturers from other institutions.

Strategies for Achieving Target 5

1. Cooperate with stakeholders in conducting community service;

2. Conduct training for community service.

Graduates' Profile

Professional technicians and analysts who master science and technology skills in planning, monitoring and implementation in the field of Civil Engineering, as well as have good discipline, good morale, high dedication and innovative spirit.

Learning Outcomes

1. Able to complete extensive work, choose the appropriate method, and demonstrate qualified and measurable performance;
2. Master theoretical concepts dan formulate procedural problem solving;
3. Capable of managing team work and prepare a comprehensive written report;
4. Responsible for individual work and group's work achievement.

Graduates' Competences

Core Competences

1. Able to complete qualified and measurable work of planning, execution and supervision of construction projects;
2. Able to adapt the development of science and construction technology up to professional standards;
3. Able to cooperate with others in planning, execution and supervision of construction projects in accordance with the professional code of ethics.

Supporting Competences

1. Able to carry out and process the results of surveys and investigations;
2. Able to make picture design and picture work;
3. Able to make tender documents for construction works;
4. Able to manage the implementation and supervision of construction works;
5. Able to work in team.

Other Competences

1. Able to use software of Civil Engineering work;
2. Able to communicate in English.

Cooperation Class

Recognition Diploma of Past Learning Program (RPL) in collaboration with Provincial Construction Services Development Unit (LPJKP) of South Sumatra

Training Services

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- Construction Workers
- Water works Workers
- Road Construction Workers
- Bridge Construction Workers
- Draftsman
- Sumeyer
- welder
- Builders
- Carpenters
- Plumbers

Production and Consultation Services

- Furniture, doors and window frames.
- Soil Testing
- Surveying
- Asphalt Test
- Construction Material Test
- Concrete Test
- steel Test

Facilities

- Soil Mechanics Laboratory
- Construction Material Laboratory
- Transportation Laboratory
- Surveying Laboratory
- Structure Laboratory
- Hydraulics Laboratory
- Masonry
- Carpentry
- Welding and Plumbing
- Drafting Studio
- Computer Studio
- Air Conditioned Classrooms, Infocuses, Spot Free Area
- Seminar Room



MECHANICAL ENGINEERING (D3)

Introduction

Mechanical Engineering Department (MED) was established in 1982 based on Ministry of Education and Culture of Republic Indonesia decree No.03/DJ/Kep/1979 at the same time with six other Polytechnics in Java and Sumatra. Mechanical Engineering Department (PSTM) currently has 3 concentrations, maintenance and repair, production engineering, and heavy equipment. Up to 14th September 2013, 29th Polsri Graduation Ceremony, PSTM has already inaugurated 1535 Maintenance & Repair alumni, 1270 Production Engineering alumni, and 66 heavy Equipment alumni. PSTM has 41 teaching staff: S1 Degree (7), and master degree (34)-overseas (3) and domestic (31). Beside that at this time being one of the staff is completing doctoral study abroad (Taiwan). Mechanical Engineering Study Program (PSTM) has representative facilities such as Mechanics Workshop and Maintenance and Repair Workshop

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(1323 m²), Mechanics and CNC Laboratories (867 m²) Multimedia Laboratory (66 m²), and Design Laboratory (100 m²). Accreditation: B based on BAN - PT certificate No.: 008/BAN-PT/Ak-IX/Dpl-III/VI/2009.

Vision

Toward a recognized center of education and professional training in the field of Mechanical Engineering regionally and nationally.

Mission

1. Providing facilities and infrastructure for supporting effective and efficient learning process based on stakeholders' demand;
2. Improving knowledge and skills of human resources in line with competencies to be achieved;
3. Monitoring and controlling all sector quality;
4. Developing and disseminating applied science and technology through research and certified training, provide services-service and production in Production Engineering and Maintenance/Repair of Industrial Machinery and heavy Equipment;
5. Developing Mechanical Engineering Department toward a quality-oriented, professional, open, and competitive department.

Purposes

1. To produce mid-level managers and professionals that are able to apply science and technology in production process and maintenance of industrial machinery and heavy equipment;
2. To play a role in improving people's lives through research and community service.

Targets

1. At least 75% of graduates' GPA \geq 3.00 (scale 0 4) in each academic year;
2. At least 50% of graduates' waiting period to get a job first \leq 6 months;

3. At least 80% of alumni have one certificate of competency;
4. At least 50% of Alumni have TOEIC score \geq 350

Strategies to Achieve Targets

Strategies for Achieving 1st Target

1. Design and prepare learning materials and activities based on stakeholders' demand (100 % of the RAP , SAP and AP);
2. Monitor and control learning process (the average learning hour is \geq 95 % of the scheduled learning hour and the average of student attendance is \geq 95 % of scheduled attendance);
3. Improve methods and instructional media (100% of the total number of learning contract).

Strategies for Achieving 2nd Target

1. Initiate partnership with industry and maintain communication links with alumni who have or have not gotten jobs yet;
2. Organize seminars/training and invite speakers from the industry/stakeholder for prospective graduates about work ethic and the ins and outs of industry and job.

Strategy For Achieving 3rd Target

Conduct training and competency testing in the fields of production, maintenance/repair and heavy equipment.

Strategies For Achieving 4th Target

1. Cooperate with other parties in developing English learning program which is suitable with industrial/job market demand;
2. Conduct a TOEIC test for English subject semester test.

Graduates' Profile

Mechanical Engineering graduates have the ability to be innovative spirit Foreman/Supervisor in developing production engineering and maintenance/repair of industrial machinery and heavy equipment techniques, have entrepreneurial spirit, preserve environment and ready to face global competition.

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Learning Outcomes

1. Master basics of manufacturing/production, maintenance/repair of industrial machinery and heavy equipment;
2. Able to carry out work and formulate solution for procedural problems by using appropriate skills in manufacturing/production, maintenance / repair of industrial machinery and heavy equipment, and able to work in team;
3. Able to choose standard or non standard method in carrying out production process, maintain industrial machinery and heavy equipment;
4. Able to communicate with team work in completing job and is able to write work report;
5. Able to act and behave in society and in line with workplace career norms;
6. Able to follow development of science, technology, and / art in the field of production engineering, industrial machinery and heavy equipment.

Graduates' Competences

A. Production Engineering Concentration

Core Competencies

1. Able to carry out simple and routine production tasks based on predefined work procedures;
2. Have knowledge about how to operate production machine and tool so that appropriate problem solving in production techniques can be done;
3. Able to carry out qualified and measurable specific manufacturing tasks under his/her superior' direct guidance;
4. Master basic knowledge of certain skills and apply it for related problems;
5. Able to complete various forms of specific tasks based on a number of working procedure options for independent production of qualified, efficient and measurable product;
6. Able to complete general manufacturing work, based on a number of working procedure options for sustainable production of qualified, efficient and measurable product..

Supporting Competences

1. Master basic science of engineering;
2. Master health and safety procedures at work and ways to keep environment safe and healthy;
3. Able to manage human resources (selecting, placing , motivating and evaluating);
4. Able to communicate in Indonesian , English and others (oral and written);
5. Master various computer application programs and information technology.

Other Competence

Honesty, responsibility and good morale, as well as religious and nation's values.

Cooperation Classes

Cooperate with government or private companies/institutions in opening Diploma Program III cooperation classes for Production Engineering/Manufacturing, Engineering, Maintenance & Repair of Industrial Machinery and heavy equipment.

Training Service

Provide training in Production Engineering (Gas /Electric welding, Lathe operation, Milling, Grinding), Mechanical Lab. (Tensile Test, Hardness, Metallografy, Metrology, & Heat treatments) and Production Automation (CNC Milling and CNC Turning).

Production and Consultation Services

Provide Production Services in producing simple machine components, Tensile test, Hardness test, Maintenance & Repair Management consultation and design consultation.

Facilities

Facilities which are available in Mechanical Engineering: Mechanics workshop(Lathe, Milling, Grinding, Drilling, Forging, Gas /Electric welding, Shaping, Metal Sheet Cutting Machine, Facilities in Mechanic Lab (Tensile Test, Hardness Test, Metallogarfy, Metrology, Heat Treatment) Facilities in CNC Lab (Turning/Lathe Simulation, Milling simulation, CNC Milling and CNC Turning machine/Lathe)

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ELECTRICAL ENGINEERING (D3)

Introduction

Electrical Engineering Study Program prepares students to be reliable professionals that are responsive to the technology development, able to apply technology and competence in the field of Electrical Engineering.

Vision

Toward a leading vocational education study program in the field of electrical engineering nationally and internationally.

Mission

1. Producing graduates that meet market demand;
2. Developing and disseminating applied research in the field of electrical engineering;
3. Utilizing electrical technology for empowering local potential and contribute to solve community problems.

Purposes

1. To prepare students to be professional mid-level managers that have good competence in the field of electrical engineering;
2. To apply, develop and disseminate science and technology in electrical field for improving society living standard;
3. To enhance the role of electrical engineering study program as part of educational institution

in developing applied science and technology for supporting national development.

Targets

1. Produce human resources who have knowledge and competence in the field of electrical engineering;
2. Apply science and technology in the field of electrical engineering to improve the quality of people's lives;
3. Promote vocational education, results of product development, and applied technology in the field of electrical engineering.

Strategies to Achieve Targets

1. Educate on the basis of science and technology development;
2. Disseminate knowledge and research results by cooperating with various related companies / industries;
3. Apply the gained knowledge to the community.

Graduates' Profile

Students who have successfully completed the education program in Electrical Engineering Program earn Associate Expert (A.Md) title and have capability in the field of electrical engineering.

1. Graduates can meet job market assessment standards because after 6 (six) semesters of study they have competences in the field of electrical engineering, and are able to use computer for electrical engineering, use instrumentation and electronic system for control and monitor process in industry, communicate in English, become entrepreneurs and leaders;
2. Graduates can work as designers, planners, technicians, foreman, supervisors, engineers in the field of electrical engineering and capable of being self-employed and work in almost all sectors of employment;
3. Graduates can also continue S1 degree or Diploma IV degree easily since the curriculum is aligned with S1 and D IV curriculum.

Learning Outcomes

1. Able to complete electrification works;
2. Able to demonstrate performance that meet the existing standard;
3. Have good team work and report writing ability;
4. Responsible and honest in carrying out work;

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5. Act and behave in accordance with the norms of Pancasila;
6. Able to adjust to the development of science and technology.

Graduates' Competences

Core Competences

1. Master theoretical concepts of electricity in general and able to formulate solution for procedural problem;
2. Able to design and install electrical installation that fits to the existing standard;
3. Able to operate electrical systems and equipment;
4. Able to estimate cost and specifications of electrical installation and equipment;
5. Able to design and install electrical control systems manually and automatically;
6. Able to maintain and repair electrical equipment and systems;
7. Able to operate distribution system of electric power.

Supporting Competences

1. Able to use computer for of electric power distribution system;
2. Able to use instrumentions;
3. Able to evaluate/monitor the condition of the process control system;
4. Able to communicate in English;
5. Able to be entrepreneur and manage electrical service business.

Other Competences

Able to be a leader in social life.

Joint Classes

1. PT. PLN (Persero) Joint class for DIII program
2. South Sumatera province Government Joint class for DIII program

Training Service

- Mechanical Operation and Maintenance of Generator <5 MW
- Mechanical maintenance and repair of Distribution Transformer (Fortal)
- Operating cubicles 20 KV
- Lighting installation single phase and three phase.
- Installation for Industry
- Conversion Engineering of Electric power

- Electrical Engineering Instrumentation
- Control Techniques:
 - Industry (PLC), process
- Power Electronics
- Protection System

Production and Consultation Services

Competency Test Services in which teaching staff involved as members

- Assessor in IATKI
- Assessors in APEI Association
- Assessor in Hakit Association

Facilities

- Fully air-conditioned Classrooms
- Classrooms with LCD
- Seminar Room
- Electrical Engineering Laboratory
- Computer Laboratory
- Electrical Engineering Workshop
- Library
- Internet, Wi-Fi
- Toilet
- A cooperative (economic enterprise)
- Student Association Room



Electronics Engineering (D3)

Introduction

Vision

Toward the center of professional education provider in the field of electronics, especially

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instrumentation, microprocessor, system control and maintenance repair.

Mission

1. Producing qualified, disciplined, creative, innovative, good moral graduates who have competence in instrumentation, microprocessor, system control and maintenance repair;
2. Developing and disseminating electronics through research, professional training, and community services;
3. Providing professional education that can generate skilled, independent and professional graduates, provide professional training and cooperate with public, industry, government and state owned companies.

Purposes

The purpose to be achieved by the D III Program of Electronics Engineering in accordance with the vision and mission is to produce mid-level managers, who have the values and attitudes of independent, responsible in carrying out their duties, especially in the fields of instrumentation, microprocessor, system control and maintenance repairs and have the ability to design, realize, test and modify electronic circuits.

Targets

Based on the purpose of Electronics Engineering Program that is to produce mid-level managers that have the ability to design, realize, test and modify electronic circuits, the targets of electronics engineering are as follows:

- a. At least 75% of graduates' GPA \geq 3.00 (range 0-4) / academic year;
- b. At least 50% of graduates' waiting period to get first job \leq 6 months;
- c. At least 80% of graduates have one type of certificate of competence;
- d. At least 50% of graduates' TOEIC score \geq 350

Strategies to Achieve Targets

1. Improving methods, media and materials structurally based on syllabus, SAP, and teaching and learning contracts. The total number of instructional hours is at least \geq 90%;
2. Carrying out tracer study to industry, state owned companies or private companies which are closely related to Electronics field and

forming partnership with graduates who work in industries or agencies in order to obtain information about job vacancies;

3. Conducting Training and competency testing in instrumentation (sensors and electric motors), microprocessors, control systems (PLC) and maintenance;
4. Improving students' English ability and get them to speak English during seminar / discussion / debate / teaching and learning process.

Learning Outcomes

The learning outcomes of Electronics Engineering Program among others are:

a. Personality

Honesty, dedication, hard work, future vision, team work capability, ability to work under pressure, high disciplined, high creativity, leadership skills, independence and good communication skill.

b. Science mastery and Skills

Excellent mastery of basic science for basic of engineering. Mastering the principles and techniques of electronics design such as automatic control using a microcontroller, PLC, instrumentation, and mastering computer application in electronics such as Protel, EWB, Livewire, Pinnacle and Matlab computer programs and applications in microcontrollers such as Assembly, Basic and the C++ language, in order to be able to work as supervisor, project implementers, supervisors, marketing engineer, supervisor / bureaucrats in state owned companies or private companies, and self-employed.

c. Working capability

- Able to design electronic systems in the field of; Microcomputer, Microcontroller, Mechatronics, Programmable Logic Controller (PLC), Instrumentation, and master software applications and hardware (Programmable Devices) as the cornerstone of electronic system implementation as well as network and information technology applications in supporting electronic system performance;

- able to design implementation by paying close attention to design details and quality control;

d. Attitudes and Behavior at Work

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Professional, able to work in team, prioritize security and safety , economy-minded, provide quality assurance and understand the concept of report writing .

e . Social values

- Responsible for individual work and team work, communicative, good attitude, appreciative and active .
- Able to evaluate and manage themselves and effectively communicate information and ideas in various forms of electronics media in electronics to public.

Graduates' Competences

CORE COMPETENCIES

- Master basic principles of instrumentation, control systems, microprocessors and maintenance repair;
- Able to run basic and advanced application (practice) of the theory of instrumentation, control systems, microprocessors and maintenance repair;
- Able to design / create a new design, test and modify electronic circuits.

SUPPORTING COMPETENCES

- The ability of computer program applications in the field of electronics such as Protel, EWB, Livewire, Pinnacle and Matlab;
- The ability of computer program applications in the field of microcontrollers such as Assembly, Basic and C + + languages.

OTHER COMPETENCES

1. Able to communicate internationally / able to speak a foreign language;
2. Able to work in public life;
3. Entrepreneurship skills in the field of electronics.

Training Service

Training on Microprocessor

Facilities

- Air conditioned class rooms with LCD Projectors, Wall Screen Projectors
- PCB (Printed Circuit Board) Realization and Wiring Workshop
- Electronics Engineering Workshop

- Microprocessor Lab
- Instrument Lab
- Automatic Control Lab
- Analog / Digital Labs
- Maintenance and Repair Lab
- Mechatronics Lab
- Library
- Student Center
- Mosque
- Sport facilities
- Academic Advisor



TELECOMMUNICATIONS ENGINEERING

Introduction

Formerly Department of Electrical Engineering established in 1987 by the Decree No.03/DJ/Kep/1979 had 2 study programs, Electronics and Telecommunications Engineering (ECTC) and Electrical Engineering Study Programs. Since 1991 Electrical Engineering Department based on The Decree of the Minister of Education and Culture of the Republic of Indonesia No. 0313/O/1991 has had three study programs namely Electrical Engineering, Electronics Engineering and Telecommunications Engineering Study Programs. Telecommunications Engineering Study Program (D III) is currently accredited B based on the decree No. 004/BAN-PT Ak-X/Dipl-III/VI/2010. It is under Quality Management System (QMS) ISO 9001: 2008 for its managerial process.

Vision

Telecommunications Engineering Program is a leading, powerful, innovative and qualified study program of vocational education in telecommunications. It helps to promote

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community life based on the Five Principles and the Constitution of '45.

Mission

- a. Producing qualified, professional, and disciplined graduates that can apply science, technology and art (science and technology) of Telecommunications Engineering;
- b. Improving, develop and apply science and technology for national development;
- c. Increasing mutual benefit cooperation with industry in order to improve the quality of graduates.

Purposes

1. To produce mid-level managers that are professional in Telecommunications that have the following competences;
 - Radio and Television Communications;
 - Cellular Communications;
 - Technology Network.
2. To produce graduates that can be absorbed by Telecommunications labor market and are able to adapt to the development of the industrial world.

Targets

1. Have good morale, devotion to God Almighty, and environmental care.
2. Able to operate, calibrate, maintain and repair instrument tools and telecommunications equipment, carry out the installation and repair of telecommunication network equipment;
3. Able to carry out the installation, maintenance of radio receiver and transmitter, TV and PABX based on appropriate applicable regulations;
4. Able to use computer technology to design devices and telecommunication networks;
5. Able to compete in globalization era.

Strategies to Achieve Targets

1. Provide structural and dynamic learning methods, which include;
 - Curriculum design with 59% practical and 41% theory ratio;
 - Appropriate materials as stated in the syllabus;
 - Optimization of supporting facilities for learning process
 - Optimization the use of laboratory and

workshop facilities to achieve appropriate skill competencies;

- Optimization the use of computer technology for device design and telecommunication network.
2. Provide support for faculty and students to write scientific articles at least once within a semester and engage students in research once a year and attend seminars/conferences/scientific forums on telecommunication network technologies.
 - Conduct seminars on motivation by inviting experts in order to improve students' motivation and achievement;
 - Intensify the role of academic supervisors;
 - Cooperate closely with industry in conducting research;
 - The average number of research activities is five within one academic year.
 3. Cooperate with industry and alumni in exchanging information about the needs in designing a competency- based curriculum.
 - Involve lecturers in tracer studies related to industry and governmental agencies in implementing partnership programs;
 - Distribute questionnaire for the purposes of relevant changes in educational curriculum in order to develop human resources.

Graduates' Profile

Telecommunications Engineering organizes 3 years or 6 semesters of education with 41% theory and 59% practice ratio. The class for theory is conducted in the classroom equipped with white board, and infocus while practical activities / practices are carried out in the laboratories / workshops.

Telecommunications Engineering graduates have the following competences:

- In transmitter and receiver of Radio and Television communications;
- In GSM and CDMA mobile communication;
- In LANs, WANs and the Internet network technologies.

Learning Outcomes

1. Master basics of telecommunication science especially telecommunications network;
2. Able to design, build and maintain telecommunications network;

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3. Able to solve problem by evaluating the instrumentation and by using appropriate methods.

Graduates' Competences

Core Competences

- Communication of radio and television;
- Mobile Communications;
- Network technology.

Supporting Competences

Design and maintain telecommunication devices

Other Competence

Entrepreneurship

Facilities

8 laboratories with the newest facilities:

1. High Frequency Laboratory
2. Basic Telecommunications Laboratory
3. Analog and Instrument Tools Laboratory
4. Data Communications Laboratory
5. Microprocessor Laboratory
6. Transmission Laboratory
7. Digital Laboratory
8. Signal processing Laboratory
9. Mechanics workshop
10. Electronics workshop
11. A cooperative (economic enterprise)
12. Student Association Room



CHEMICAL ENGINEERING (D3)

Introduction

Chemical Engineering Study Program conducts vocational education which prepares students to be

professional experts who are reliable, responsive to the development of processing technology, and able to apply their competences in the field of processing industry.

Chemical Engineering Study Program was established in 1987. It is one of study programs in Chemical Engineering Department based on the Minister of Education and Culture Letter No. 0313/O/1991 dated 06-06-1991. Since 2004 it has got level B accreditation- Accreditation BANPT No. B. 002/BAN-PT/Ak-X/Dpl-III/V/2010 dated May 14, 2010.

To support the teaching and learning process, Chemical Engineering Study Program has classrooms which are equipped with facilities such as teaching aids, laboratories, library and other public facilities.

The curriculum of Chemical Engineering Study Program is a competency-based curriculum. It is based on the identification of market needs (stakeholders and Alumni). It consists of 57 subjects, 118 credits-68 credits for theory and 50 credits for practice. The teaching and learning process hour consists of 57 % practice and 43 % theory. The total number of lecturers in Chemical Engineering Department are 44 lecturers; S2 degree=36 lecturers; S2 degree (on going) =1 lecturer; S3 degree= 2 lecturers and S3 degree (on going) = 5 lecturers.

To improve the implementation of the Tri Dharma, Chemical Engineering Study Program conducts internship for students and faculty, recruitment, education, training and research. For poor but good learning achievement students, some scholarships both from government and private are available.

Vision

Toward a leading vocational education institution in the field of Processing Industry.

Mission

1. Improving the process of teaching and learning for producing graduates who are qualified in the field of Processing Industry under quality assurance system base;
2. Developing, disseminating, and applying science, technology and research results for

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productive activity purposes and better quality of people's lives;

3. Enhancing partnership with other parties through community service activities-the development and application of science and technology for mutual benefit purposes.

Purpose

To produce graduates who are professionals in the field of processing industry, have high discipline, good morale, entrepreneurial spirit, environmentally sound, be adaptable to the development of the industry and can play a role in society.

Target

Produce graduates who are professionals in the field of processing industry and are able to operate and maintain processing industry equipment, specify the raw materials and products based on SOP, and implement safety systems.

Strategies to Achieve Targets

1. Every freshman get an explanation about Polytechnic Education System to allow him/her to adjust and prepare for the teaching and learning activities and get ≥ 3.15 GPA;
2. Furthermore, for ensuring that the students get the transfer of knowledge systematically and materials that correspond with the expected competencies, GBPP, lesson plans and teaching and learning contracts are controlled by cross checking log activities completed by each lecturer;
3. For Teaching and Learning (PBM) processes, supporting facilities like the clean and comfortable rooms, teaching aids like LCD, Laptop / Computer, OHP, reference books, textbooks, modules and practice guides are needed;
4. The presence of teaching staff and students in the classroom at least 90% of the total meeting;
5. Enhancing the role of Academic Advisor (AA) in monitoring the students' learning progress and motivating students in order to improve their learning achievement;
6. In evaluating the result of the students' learning, the role of areas of expertise coordinator (KBK) is badly needed. It is needed for ensuring the questions given on mid-semester test (MST) and semester test(ST) by faculty comply with the competencies of each course, and

uniformity of MST and ST questions of a multi-lecturer course;

7. Curriculum consists of theory courses (maximum 45%) and practices (minimum 55%).

Graduates' Profile

1. Supervisor;
2. Entrepreneur.

Learning Outcomes

Core Competences

1. Master the basic concepts of chemistry and process production, as well as its application in the field of processing industry, especially in the oil, gas and coal industry;
2. Able to work in team and prepare a comprehensive written report;
3. Able to complete the work in processing industry, according to the existing SOP;
4. Able to demonstrate qualified and measurable performance.

Supporting Competences

1. Able to handle computerized processing in Chemical Engineering;
2. Able to assess the application of technology in the field of processing industry for public;
3. Understand the sewage treatment engineering, and food processing technology;
4. Have values of Polsri Motto: Punctual, precise and loyal.

Other Competences

1. Able to communicate and work in team;
2. Have good leadership skill;
3. Have an entrepreneurial spirit (entrepreneurship).

Graduates' Competences

Professionals in the field of industrial process, able to operate and maintain industrial process equipment, capable of specifying the raw materials and products based on SOP, and capable of implementing safety systems at work.

Training Services

- Lab Management Training
- Training of HYSIS, Aspen and Mathlab Software application.
- K3 for Chemical-Training
- Analytic-Training (GC, AAS, HPLC) etc.
- Coal Analysis -Training (calorimeter, TGA, Truspect, Sulfur analyzer)-etc.

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- Environmental Aspect Training

Production and Consultation Services

- Purified Water and Bottled Water
- Production of Bread
- Design of Process Equipment
- Environmental Audit-Consultation Service
- Process Audit-Consultation Service

Facilities

Laboratories and Workshops



ACCOUNTING (D3)

Introduction

Accounting Department was established in September 1986. It is aimed to produce graduates at middle level management. Accounting Department has got B level of BAN PT accreditation. Accounting Department management system is based on Quality Management System (QMS) ISO 9001: 2008.

Vision

Toward a leading, qualified, and adaptable vocational department in the field of accounting and will able to compete in global challenges in 2020.

Mission

1. Producing graduates who have qualified accounting knowledge, high discipline, good morale, competitive and have an entrepreneurial spirit and environmental concept that fit industrial development;

2. Building and developing a structural capacity, internal infrastructure and external network nationally and internationally; and
3. Developing qualified, professional, and open accounting department; performing continuous evaluation; and ready to face global competition.

Purposes

1. To prepare competent, well-disciplined, and professional students in the field of accounting;
2. To prepare accounting students to have intellectual, emotional, spiritual ability and able to compete globally; as well as
3. To foster the entrepreneurial spirit with environmental concept since college.

Targets

1. Produce graduates with a minimum GPA of 3.25 and English language proficiency (TOEIC) of at least 450, as well as communication skills, teamwork, creativity, independence, integrity and noble character that responds the need challenges of service users nationally and internationally;
2. Increase the number and quality of faculty research and community service activities that are constructive for the benefit of society as well as research publications in accredited journals nationally and / or internationally;
3. Increase student involvement in research and community service activities as well as student activities domestically and internationally;
4. Empower alumni network for the benefit of program development;
5. Increase the intensity of faculty involvement in activities related to the development of knowledge held within and outside Indonesia;
6. Increase capacities of units within study program, and increase the satisfaction of students, faculty, employees and other parties;
7. Improve communication and collaboration with other parties for the purpose of internships for students.

Strategies to Achieve Targets

1.
 - a. Optimize student center approach learning process to 85% of the 19 total meetings within each semester;
 - b. Create a conducive academic atmosphere and improve the facilities in the classrooms, laboratories, and libraries;

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- c. Take advantage on the development of information technology to support learning effectiveness;
 - d. Carry out periodic review of the curriculum so that it can produce graduates who have the competencies relevant to the needs of the market
2.
 - a. Send faculty to join research methodology training and community service, and encourage faculty to send grant research proposal and community service;
 - b. Facilitate the publication of faculty research results in professional journals and other accredited journals.
 3.
 - a. Encourage faculty to engage students in research and community service;
 - b. Seek information and engage students in a variety of student activities (seminars, competitions in the field of science / sport / art, and forums / student organization).
 4. Assign alumni to be spoke persons in student activities and build sustainable social networks (social link).
 5.
 - a. Involve faculty in scientific development activities (training / workshop);
 - b. Encourage faculty to participate in advance studies.
 6. Create an efficient bureaucracy and communication opportunities with students so as to achieve improved service.
 7. Establish communication with other parties to open up opportunities for cooperation.

Graduates' Profile

1. Technical Accountant;
2. Financial Staff;
3. Accounting Supervisor;
4. Junior Auditor;
5. Accounting Information System Assistant Analyst;
6. Credit Analyst;
7. Tax Staff Accounting Department;
8. Tax Supervisor Acc. Department;
9. Banking Staff; and
10. Entrepreneur.

Learning Outcomes

1. Master basics of accounting;
2. Able to carry out work and formulate the procedural problem solving skills in accordance with accounting expertise, and be able to manage team work;
3. Able to select formal and non-formal methods in accounting areas;
4. Able to communicate and prepare a written report within their work scope;
5. Able to act and behave base on existing social norms at work and in daily life;
6. Able to adjust the development of science, technology and/or art.

Graduates' Competences

Core Competences

1. Able to carry out bookkeeping task and prepare financial statements of small, medium and large-size companies both manually and computer-assisted;
2. Able to calculate and make non-financial report needed by management in decision-making;
3. Able to perform Accounting Supervision;
4. Able to assist senior auditors in auditing financial statements;
5. Capable of designing and supporting the main accounting system of small and medium-size enterprises;
6. Able to implement the Internal Control within the company;
7. Able to analyze corporate financial statements; and
8. Able to calculate, predict and report, and pay taxes based on current tax laws.

Supporting Competences

1. Able to act and behave ethically (according to the code of professional ethics) in applying professional accounting skills in the community;
2. Able to work in team, and be discipline in carrying out professional responsibilities;
3. Capable of carrying out the responsibilities carefully; and
4. Capable of being entrepreneurs and manage business.

Other Competences

1. Able to operate and make a simple accounting computer program, and
2. Able to communicate in English at work.

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Training Service

In addition to best equip graduates with the competencies, Accounting Diploma Program offers a variety of training that can be tailored to the needs, with a relatively affordable cost. The offered training consists of:

- Training of Financial Statements Preparation
- Taxation Training:
 - Integrated Brevet A and B
- Audit Training
- Cash Flow Training
- Managing Business and Entrepreneurship Training
- Computer Accounting Training

Production and Consultation Services

Consultation service includes:

- Consultation in the Preparation of Financial Statements
- Tax Consultation
- Completion of term and Annual Consolidated tax return
- Consultation of Cash Flow Preparation
- Entrepreneurship and Business Management Consultancy
- Consultancy of Computer base Accounting Data Processing

Facilities

Polsri Accounting Department has three-storey college building that is equipped with:

- Multimedia and air conditioned study rooms
- Laboratory:
 - Computer Laboratory
 - Simulation and Multimedia Laboratory
 - Financial Accounting Laboratory
 - English Language Laboratory
- Hall
- Hotspot Area
- ICT-based Academic Information System (Sisfo Polsri)
- e-library (digital library)
- e-journal
- Sport facilities



BUSINESS ADMINISTRATION (D3)

Introduction

Business Administration Study Program produces graduates that are capable of doing variety of industrial jobs. The curriculum comprises 60% practice and 40% theory for ensuring graduates have industrial skills and also have skills for lower and middle managerial level positions. A structured soft skill Development is in any learning process for creating high-quality, reliable and good attitude graduates.

Vision

Toward a leading, modern, and competitive vocational education institution in the field of business administration.

Mission

1. Improving the quality of business administration education based on quality based assurance system;
2. Developing, disseminating and applying science, technology, and art in the field of business administration for productive activities and improving the quality of people's lives;
3. Developing organization and improving the quality of human resource management in Business Administration Department in order to achieve effective, efficient, and sustainable performance;

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4. Enhancing mutual benefit partnerships with industry and other parties in order to improve the quality of Tri Dharma.

Purposes

Produce skilled, professional and conversant mid-level manager in the field of business administration.

Targets

1. Produce skilled human resources for various jobs in the field of business administration;
2. Produce graduates that have reliable managerial capabilities such as identifying and solving problem, making work plan, organizing, controlling, and evaluating jobs.

Strategies to Achieve Targets

1. Ensure learning process realization of at least 95%;
2. Conduct practice with up date equipment and sufficient material;
3. Perform internships and field works;
4. Conduct Seminars and Workshops with speakers from industrial practitioners and academicians;
5. Implement interactive learning with student-oriented method of discussion, case studies and simulations;
6. Intensive monitoring for student organization in Business Administration Department.

Graduates' Profile

1. Professional Administrator;
2. Professional Secretary;
3. Public Relations and Customer Services Officer;
4. Account Officer;
5. Marketing Officer / Sales Executive;
6. Human Resource Development Officer;
7. Professional archivist.

Learning Outcomes

1. Able to complete extensive task, select appropriate method by analyzing data, and able to perform measurable quality performance;
2. Master business administration theoretical concept, and is able to solve problems systematically;
3. Able to manage team work and develop a comprehensive written report;
4. Responsible for individual and team works.

Graduates' Competences

1 . Professional Administrator

- Able to carry out various administrative activities;
- Able to manage and maintain company's documentation;
- Able to facilitate internal and external information distribution;
- Able to run office applications .

2 . Professional Secretary

- Able to type 60 wpm with ten fingers with an accuracy of 98 %;
- Proficient in secretarial science;
- Able to write formal letter both in Indonesian and English;
- Able to apply professional ethics;
- Able to run MS.Office;
- Able to run office applications .

3 . Public Relation Officer

- Able to communicate both internal and external policies of company to the public ;
- Able to create company positive image by using reliable communicative skill;
- Able to negotiate and take advantage on strategic moments for company profit;
- Able to run office applications .

4 . Account Officer

- Able to create a comprehensive financial statement;
- Able to analyze financial statement for critical information in financial decision-making process;
- Able to run office applications.

5 . Marketing Officer / Sales Executive

- Able to carry out promotional activities and business negotiations;
- Able to be a professional sales executive;
- Able to identify market opportunities;
- Able to design marketing strategies;
- Able to convince customer;
- Able to deal with customer complaints;
- Able to make and achieve sales targets;
- Able to run office applications.

6 . HR Officer

- Able to carry out the procurement process;
- Able to create employee development programs;
- Able to create compensation and employees' maintenance program;
- Able to run office applications.

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7. Professional archivists

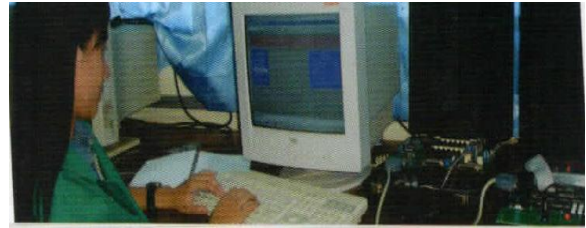
- Able to manage records manually and electronically;
- Able to write formal letter both in Indonesian and English;
- Able to run office applications.

Training Service

- Leadership
- Small Business Management
- Marketing
- Service Excellent
- Public Speaking
- Customer Survey
- Taxation
- Filing
- Administrative works
- Table Manner
- Professional Ethics

Facilities

- Fully air-conditioned Classrooms
- Classrooms with LCD
- Computer Laboratory (2)
- Computer Lab and Multimedia Programming
- Management Laboratory
- Seminar Laboratory
- Business Simulation Laboratory
- Secretariat Laboratory
- Ethics Laboratory
- Manual Keyboarding Laboratory
- Electronic Keyboarding Laboratory
- Hall



COMPUTER ENGINEERING (D3)

Introduction

Computer Engineering is a vocational education to gain expertise in information-communication technology and control computer which will provide skills of desktop computers, microprocessors, microcontrollers, computer networks and programming languages starting from beginning design to the end results and help you more superior than others in information communication technology and control. Computer Engineering graduates have worked in government (department of laws and human rights), and banking industries for IT designer and IT Analyst Positions.

Vision

Toward a leading center of vocational education in Information Technology and Control in 2020.

Mission

1. Producing qualified, disciplined, high morality, entrepreneurial graduates;
2. Developing, disseminating and applying science, technology and art in the field of information technology and control and applied research results to be used in productive activities and improve the quality of people's lives;
3. Developing Computer Engineering Department in Information Technology and Control areas with orientation on quality, professionalism and

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transparency and able to face global competition.

Purposes

1. To prepare professionals in the areas of computer engineering, control systems, software and computer networks;
2. To develop, implement and disseminate computer technology hardware and software to the public;
3. To increase the role of Computer Engineering Department academicians in developing computer technology to support national development.

Targets

1. At least 75 % of graduates per academic year reach ≥ 3 GPA;
2. At least 75 % of graduates per academic year get first job within ≤ 6 months;
3. At least four innovative lecturer's researches per academic year;
4. At least two titles of community service per academic year done.

Strategies to Achieve Targets

1. Improving teaching materials, reference books, instructional media;
2. Improving human resource skill through enhanced study non degree and degree;
3. Give assignments to students;
4. Invite industries/agencies and inform them about the newest alumni on every graduation day;
5. English lessons for four semesters;
6. Requiring students to follow TOEIC institutional test at the beginning of their study, TOEIC course and TOEIC International test at the end of 6th semester;
7. Facilitating Student Association (HMJ) to establish study clubs;
8. Cooperate with ICT professional certification agency and form Polsri professional certification body under patronage of BNSP;
9. Require Study Program to utilize instructional media maximally;

10. Require Study Program to write research proposals and conduct community service using self funding or government and third parties' funding;
11. Require publication of research results in accredited or non-accredited national journals and International Journals.

Graduates' Profile

1. Able to analyze and implement control system;
2. Able to analyze and implement the design in the field of information and communication.

Learning Outcomes

1. Master basics of computer science in field of information technology and control;
2. Able to carry out work and formulate procedural problem solving in team using their expertise in ICT and control;
3. Able to select between standard and non-standard method in information technology and control;
4. Able to communicate and prepare a written report within related unit work scope;
5. Able to act and behave in good manner;
6. Able to adapt to the development of science, technology and art of ICT and control.

Graduates' Competences

Core Competences

- Able to design, build, implement and manage the information and communication technology;
- Able to design, build, implement and develop application program that can control hardware of computer-based control system.

Supporting Competences

- Have the ability in electrical circuits, sensors, mathematics, analog and digital electronics, basic programming, computer architecture, computer security, image processing and English.

Other Competences

- Able to communicate, behave in good manner and have leadership and entrepreneurial spirit.

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Training Service

Robot Control Design, Computer Network Design, Database Design, Web Design, I/O Interfaces, Cryptography

Production and Consultation Services

- Line follower Robot Production, Fire Extinguisher Robot production, Computer Networking Installation, website installation, computer interface installation.
- Robots, computer networks, web and interface consultation service.

Facilities

Network Laboratory, Multimedia Laboratory, Programming Laboratory, Interface Laboratory, Electronics Laboratory



INFORMATICS MANAGEMENT (D3)

Introduction

Informatics Management was established in 2002. This establishment was based on Decree No.2800/D/T/2001. Currently, human resources of Informatics Management Department are from various fields such as programming, Geographical systems, database, operating systems, and economics. With these great variety of human resources, Informatics Management Department can create human resources needed by the existing stakeholder in Indonesia, particularly in South Sumatra.

Vision

Toward a leading vocational study program in preparing human resources in Informatics Management area.

Mission

Prepare good discipline, good morale and attitude, business and entrepreneurial spirit being in building and managing information systems of governmental agency/company.

Purposes

Generate mid-level managers who have high level of professional knowledge and skills of computerized data transformation technology.

Targets

1. Able to use operating system computer software, programming language to program applications in the field of data processing business.
 - a. Able to install and use Linux operating system;
 - b. Able to install and use Windows operating system;
 - c. Able to troubleshoot a computer;
 - d. Master accounting application program;
 - e. Master financial report using business application programs.
2. Able to translate logic sequence into application.
 - a. Master principles of Algorithm;
 - b. Master language programming concepts;
 - c. Able to explain and use array programs;
 - d. Able to create Flowchart and Pseudocode;
 - e. Able create Input/Output Structure Program.
3. Being able to use business application programs
 - a. Master accounting application program;
 - b. Master financial report using business application programs.
4. Capable of analyzing and designing computerized data transformations in business.
 - a. Able to create web for office applications;
 - b. Able to create web for business applications;
 - c. Able to create web for commercial business application.
5. Able to behave in good manner and attitude
 - a. Have good moral and attitude in completing tasks;
 - b. Be citizens who are proud and patriotic..
6. Have organizational skills in business and research.
 - a. Able to work in team;
 - b. Able to manage and lead team work;
 - c. Able to develop useful research for common benefit.

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7. Able to translate logic into Algorithm program.
 - a. Able to apply business expertise into programming procedures.
 8. Able to communicate globally.
 - a. Able to communicate at work;
 - b. Able to communicate nationally and internationally.
 9. Have professional ethics at work.
 - a. Have good ethics in completing tasks;
 - b. Able to demonstrate good performance before superiors and subordinates.
 10. Capable of being entrepreneur.
 - a. Able to apply his/her expertise into practice especially in business area.
 11. Able to apply multimedia information technology.
 - a. Able to create animated multimedia in education;
 - b. Able to create multimedia animation in business.
 12. Able to apply Graphic Technology and Geographic Information Systems (GIS).
 - a. Able to apply knowledge in the field of graphic forms;
 - b. Able to manage geographic mapping database.
5. Understand, master and apply the knowledge of Religions and Civics with minimum attendance 90% of total meetings and minimum GPA 3.00.
 6. Understand, master and apply the knowledge of basic Statistics, and academic writing with minimum attendance 90% of total meetings and minimum GPA 3.00.
 7. Understand, master and apply the knowledge of Logic and Algorithms, Algorithms and programming with minimum attendance 90% of total meetings and minimum GPA 3.00.
 8. Understand, master and apply the knowledge of Indonesian and English with minimum attendance 90% of total meetings and minimum GPA 3.00.
 9. Understand, master, and apply the knowledge of professional ethics with minimum attendance 90% of total meetings and minimum GPA 3.00.
 10. Understand, master and apply the knowledge of entrepreneurship with minimum attendance 90% of total meetings and minimum GPA 3.00.
 11. Understand, master and apply the knowledge of graphic design and multimedia with minimum attendance 90% of total meetings and minimum GPA 3.00.
 12. Understand, master and apply the knowledge of geographic information systems with minimum attendance 90% of total meetings and minimum GPA 3.00.

Strategies to Achieve Targets

1. Understand, master and apply the knowledge of operating system, commercial package program, accounting information systems, web programming, and structured programming with minimum attendance 90% of total meetings and minimum GPA 3.00.
2. Understand, master and apply the knowledge of object oriented programming I, II, and III with minimum attendance 90% of total meetings and minimum GPA 3.00.
3. Understand, master and apply the knowledge of analysis and design of information systems and object-based design with minimum attendance 90% of total meetings and minimum GPA 3.00.
4. Understand, master and apply the knowledge of general management and organizational behavior with minimum attendance 90% of total meetings and minimum GPA 3.00.

Graduates' Profile

Competency-based curriculum in which practice percentage is more than theory will produce graduates who have the following profiles: good morale and attitude, entrepreneurial and business minded and team work capability, basic knowledge of Mathematics, Statistics and research, fluency in written and oral communication, and mastery of global media, mastery of core knowledge of information technology, ability to design, create and develop internet based information systems for governmental agency/company, middle level manager in Informatics area.

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Learning Outcomes

Toward discipline, good morale, good personality, good attitude, and business and entrepreneurial minded being in establishing and managing information systems of governmental agency or company.

- a. Able to use computer operating system software, language programming and program applications of business data processing;
- b. able to translate the logic order into application program;
- c. able to use business application programs;
- d. Able to design and create web business application program;
- e. Able to design and make animation program in business web;
- f. Able to design and create database program in business web;
- g. Able to design and create an e-business application program;
- h. Able to implement management information systems in order to obtain a system utility of reliable business information systems;
- i. Able to start a new venture in Informatics field, either personally or in groups;
- j. Capable of being a leader in electronic data processing area.

Graduates' Competences

1. Able to leverage and adapt accounting information technology
 - Able to apply accurate and correct computerized accounting;
 - Ability to prepare computerized financial statements.
2. Responsible for their work ethic
 - Able to apply ethical values in maintaining the integrity of objectivity and professionalism in carrying out their duties.

3. Able to take the right decisions based on analysis of information and data, and able to provide guidance for independent selection of various alternative solutions
 - Able to interpret computerized financial statements and communicate with users in good manner and proper way.
4. Able to use office applications
 - Able to use application programs to support administration of a company;
 - Able to use IT-based facilities in supporting administrative process performance.
5. Responsible for work ethic
 - Able to apply ethical values in maintaining the integrity of objectivity and professionalism in carrying out their duties.
6. Able to take the right decisions based on analysis of information and data, and able to provide guidance in choosing various alternative solutions independently.
 - Able to interpret computerized financial statements and communicate with users in good manner and proper way.
7. Able to use and apply multimedia applications for business
 - Have the ability to produce multimedia and programming work for local potential development;
 - Produce graduates that are able to apply professional ethics and moral in information technology area.
8. Able to analyze system manufacturing
 - Able to analyze and design new application system for enterprises;
 - Able to analyze the changes of new application system.
9. Able to design business programs
 - Able to implement programs for business applications;
 - Able to create office application programs;
 - Able to create a Web-based application program.

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Training Service

- Program design for office application with different programming languages
- Website development for governmental insitutions and companies
- Preparation of individual or Personal Blog
- Preparation of geografic-based mapping

Production and Consultation Services

- Visual Basic Programming
- Daphi Programming
- Java Programming
- C + + Language Programming
- Database Systems

Facilities

- Programming Laboratory
- Operating Systems Laboratory
- Multimedia Laboratory
- Geographic Information Systems Laboratory



ENGLISH (D3)

Introduction

The ability to communicate in English is a demand in the era of globalization. Good command of English is very important in the world of industries and business. The progress in business will encourage the development of tourism sectors for the influence of the growth itself.

To response the challenges of business and tourism industry, State Polytechnic of Sriwijaya in the academic year of 2004-2005 opened Diploma III of English department concentrating on tourism and hospitality industry.

The students in this department are trained to have skill in English both spoken and written communications. Beside that they can also get knowledge and skill regarding to tourism, hotel, tour and travel both in theories and practices for 6 semesters or 3 years of study.

Vision

Toward a leading vocational education study program in English for Business and Hospitality Industry in 2020.

Mission

- Producing graduates who are competent and professional in English communication in the field of hospitality industry.
- Producing graduates who have the knowledge and skills that are capable of doing work and entrepreneurship in hospitality industry.
- Developing and disseminating the results of applied research in the field of Linguistics that supports hospitality industry.
- Applying the results of research as a community service, particularly with regard to hospitality industry.

Purposes

- To produce associate professional experts who are able to communicate in English orally and in writing that support hospitality industry;
- To produce associate professional experts who are able to do routine jobs in hospitality industry in accordance with national and/or international standard;
- To produce professional experts that are able to be entrepreneurs in hospitality industry in accordance with national and/or international standard;
- To develop and create new works which support hospitality industry;
- To perform service to hospitality industry community in the form of various cooperations that support hospitality industry.

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Targets

1. Meeting job market demand in hospitality industry
 - At least 80 % of graduates have a GPA \geq 3.00
 - At least 75 % of graduates have a TOEIC score \geq 450 .
2. To be able to do national and / or international standard routine work in the hospitality industry, each student must
 - attend internship for a minimum of 2 (two) months.
 - have at least one skill certification issued by authorized institutions nationally and / or internationally .
3. At least 10 % of students compete in student entrepreneurship programs
4. Increase the number of applied research and community service at least two (2) events per year .
5. Participate in all tourism activities--regional /national events held in South Sumatra at least once within a year
6. Each student participates in Daily Worker at least 2 (two) times within one semester .
7. Promote cooperation between English Department Polsri and hospitality industry at least 1 (one) company in two years .
8. At least 80% of the total number of graduates of one academic year can achieve \leq 3 months waiting period to get first job.
9. Take part in tourism promotion activities in South Sumatra at least once within a year.

Strategies to Achieve Targets

- Organizing Peer Mentoring program;
- Monitoring the presence of faculty and students to achieve minimum presence of \leq 90%;
- Providing students with the knowledge and skills to obtain certification from the expertise of national and / or international institutions through public lectures;
- Establishing Advisory Board Committee (Advisory Committee on Academic);
- Motivating students to attend Daily Worker;
- Conducting inter-class competition in the field of communication skills once within one semester.

Graduates' Profile

1. Fluent in using English
2. Have working knowledge in the field of hospitality industry.
3. Able to compete in order to be:
 - Front Office Supervisor

- Room/floor Supervisor
- Public Area supervisor
- Food and Beverage Product Supervisor
- Food and Beverage Service Supervisor
- Restaurant Captain
- Restaurant Supervisor
- Tour Leader
- Professional Conference organizer
- Event Organizer
- Tour Guide

Learning Outcomes

Learning Outcome D3

- Master basics of scientific disciplines in the field of hospitality industry;
- Able to carry out work and formulate the procedural problem solving skills in accordance with hospitality industry, as well as to manage working group;
- Able to differentiate standard method and understand method in the field of hospitality industry;
- Able to communicate and prepare written report within their working scope;
- Able to act and behave in the society and in their career based on the existing norms;
- Able to adapt to science, technology, and / or art development;
- Able to be Tour Guide.

Graduates' Competences

CORE COMPETENCES

- Presenting and promoting products in the fields of business and industry;
- Informing and promoting a range of services in business and industry;
- Able to create, develop and manage a variety of products in the fields of business and industry;
- Able to develop and manage a variety of services in the field of hospitality industry .

SUPPORTING COMPETENCES

- Able to operate a computer as a tool to create and manage a wide range of business and industrial activities.
- Fluent in Mandarin.
- Able to groom in accordance with the service standards of hospitality industry.
- Have high discipline in accordance with professional and ethical norms of society and religion.

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- Able to adapt to clients from different cultural backgrounds.
- Able to provide services in accordance with minimum standard procedure.
- Able to make pastry products .
- Able to hold an event (Event Organizer)

OTHER COMPETENCES

- Able to identify popular tourist destinations in South Sumatra.
- Able to be independent entrepreneur in the field of hospitality industry .

Training Service

English Department in cooperation with PT. International Test Center Jakarta provides services for international and institutional TOEIC tests that are conducted at least once in a semester in December and May.

Facilities

English Department has six classrooms that can be used by a maximum of 24 students per class. The classrooms are air conditioned and equipped with multimedia-based teaching facilities. Beside that there are also other facilities such as:

1. Multimedia Language Laboratory
2. Listening Laboratory
3. Simulation Laboratory
4. Food and Beverage Laboratory
5. House Keeping Laboratory
6. Front Office and Bar Laboratory

PHOTO GALLERY

