UNIVERSITAS PANCASILA
PROFIL LULUSAN DAN CAPAIAN PEMBELAJARAN

UNIVERSITAS PANCASILA
PROFILE OF THE GRADUATE AND LEARNING OUTCOMES

Fakultas : Teknik **Program Studi : Elektro** **Jenjang : Sarjana (S-1)**	**Faculty : Engineering** **Study Program : Electrical Engineering** **Study level : Bachelor Degree**
I. PROFIL LULUSAN Lulusan Program Studi Teknik Elektro Universitas Pancasila memiliki Profil Lulusan sebagai berikut: 1. Sarjana Teknik Elektro yang beriman, bertakwa, dan berakhlak mulia berlandaskan nilai-nilai Pancasila, yang mampu merancang solusi perangkat keras dan/atau perangkat lunak bidang teknik elektro secara etis serta menguasai kompetensi komunikasi efektif, kolaborasi tim, inovasi, dan adaptasi dalam lingkungan profesional. 2. Sarjana Teknik Elektro yang berintegritas dan menjunjung tinggi etika akademik-profesi serta berdedikasi memajukan teknologi untuk kemanusiaan. **II. CAPAIAN PEMBELAJARAN** **A. Sikap** Lulusan Program Studi Teknik Elektro S-1 Universitas Pancasila memiliki Sikap sebagai berikut: 1. Membentuk insan yang beriman, bertakwa, berakhlak mulia, dan berkarakter sesuai dengan nilai-nilai Pancasila, serta menjunjung tinggi norma dan etika akademik. 2. Membentuk Insan yang berperan aktif membangun peradaban melalui kontribusi nyata bagi bangsa, menjunjung tinggi huKeterampilan Umumm, keanekaragaman budaya, tanggung	**I. GRADUATE PROFILE** The graduates of the Electrical Engineering Department of Universitas Pancasila are expected to have the following graduate profiles: 1. Graduates who possess faith, piety, and noble character based on the values of Pancasila, are able to design hardware and/or software solutions in the field of electrical engineering ethically, and master competencies in effective communication, teamwork, innovation, and adaptation within professional environments 2. Graduates who demonstrate integrity, uphold academic and professional ethics, and are dedicated to advancing technology for the benefit of huma **II. LEARNING OUTCOMES** **A. Attitude** Graduates of the Industrial Engineering Department of Universitas Pancasila are expected to have the following attitude: 1. To develop individuals who are faithful, pious, have noble character, and possess qualities in line with the values of Pancasila, as well as uphold academic norms and ethics. 2. To develop individuals who play an active role in building civilization through real contributions to the nation, upholding human skills, cultural

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jawab profesi, dan semangat kewirausahaan dalam setiap interaksi sosial-profesional.	diversity, professional responsibility, and entrepreneurial spirit in every socio-professional interaction.
B. Penguasaan Pengetahuan Lulusan Program Studi Teknik Elektro Universitas Pancasila memiliki Penguasaan Pengetahuan sebagai berikut: 1. Menguasai fondasi teoritis multidisipliner (matematika, fisika, prinsip rangkaian listrik AC/DC, dan elektromagnetika) untuk pemodelan sistem elektro, dilengkapi kompetensi analisis performa sistem melalui instrumentasi presisi dan interpretasi data berbasis standar teknis. 2. Menginternalisasi metodologi perancangan sistem terintegrasi (hardware/software) dan analisis perilaku rangkaian elektronika analog/digital, diperkaya dengan perkembangan mutakhir IoT/Kecerdasan Buatan untuk inovasi solusi elektro yang kreatif, bertanggung jawab, dan terimplementasi dari konsep hingga validasi prototipe. 3. Menguasai kerangka teoritis etika rekayasa (engineering ethics) dan standar industri global (IEEE/IEC/ISO) sebagai dasar pengambilan keputusan teknis berkelanjutan, menjamin solusi elektro yang beretika, aman, dan relevan dengan fenomena teknik kontemporer.	**B. Knowledge Mastery** Graduates of the Electrical Engineering Department of Universitas Pancasila are expected to master the following knowledge: 1. Master theoretical foundations in mathematics, physics, AC/DC circuit principles, and electromagnetics for electrical system modeling, with competence in system performance analysis using precision instrumentation and data interpretation based on technical standards. 2. Master methodologies for designing integrated hardware/software systems and analyzing analog/digital electronic circuits, enriched with advancements in IoT and Artificial Intelligence, to enable creative, responsible, and innovative electrical solutions from concept to prototype validation. 3. Master the theoretical framework of engineering ethics and global industry standards (IEEE/IEC/ISO) as the basis for sustainable technical decision-making, ensuring ethical, safe, and relevant solutions to contemporary engineering challenges.
C. Keterampilan Umum	**C. General Skill** Graduates of Electrical Engineering Department of Universitas Pancasila are expected to have the following general skills:

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Lulusan Program Studi Teknik Elektro Universitas Pancasila memiliki Keterampilan Umum sebagai berikut:

1. Memiliki kemampuan berkomunikasi secara efektif, baik lisan maupun tulisan, bekerja sama dalam tim, dan berinovasi, serta mampu beradaptasi dalam lingkungan pekerjaan dan masyarakat.
2. Mampu berpikir logis, kritis, sistematis, dan inovatif dalam mengembangkan atau menerapkan teknologi berbasis nilai humaniora sesuai bidang keahlian teknik elektro, serta menunjukkan kinerja yang mandiri, bermutu, dan terukur dalam menyelesaikan tugas, termasuk menyusun laporan ilmiah tugas akhir secara terstruktur dengan menjunjung tinggi etika akademik.
3. Mampu membangun jejaring kerja yang kolaboratif dan proaktif lintas lembaga, bertanggung jawab atas hasil kerja individu maupun tim, serta mendokumentasikan, mengelola, dan mengamankan data secara sistematis guna menjamin integritas akademik dan mencegah plagiarism.

D. Keterampilan Khusus

Lulusan Program Studi Teknik Elektro Universitas Pancasila memiliki Keterampilan Khusus sebagai berikut:

1. Mampu merancang dan mengimplementasikan solusi perangkat keras dan lunak berbasis data, termasuk sistem kendali mikro dan sistem terintegrasi, untuk menyelesaikan permasalahan umum dan spesifik di

1. Demonstrate the ability to take responsibility and demonstrate quality, measurable performance, as well as carry out independent and/or group self-evaluations.
2. Demonstrate the ability to think logically, critically, systematically, and innovatively in developing or applying technology based on humanistic values within the field of electrical engineering, while producing independent, high-quality, and measurable work, including the structured preparation of scientific reports and theses in accordance with academic ethics.
3. Demonstrate the ability to build collaborative and proactive networks across institutions, take responsibility for individual and team performance, and systematically document, manage, and safeguard data to ensure academic integrity and prevent plagiarism.

D. Specific Industrial Engineering Skills

Graduates of the Electrical Engineering Department of Universitas Pancasila are expected to have the following specific skills:

1. Able to design and implement data-driven hardware and software solutions, including microcontroller systems and integrated systems, to solve general and specific problems in the field of electrical engineering with precision and a holistic perspective.

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bidang teknik elektro secara presisi dan holistic. 2. Mampu merancang dan membangun infrastruktur jaringan komunikasi dan informasi, baik kabel maupun nirkabel, yang andal, skalabel, aman, dan sesuai dengan perkembangan standar teknis terkini. 3. Mampu mengembangkan sistem pengendalian industri berbasis data dan kecerdasan buatan yang efisien, adaptif, serta interoperabel, dengan mempertimbangkan kemudahan pemeliharaan dan dinamika lingkungan produksi. 4. Mampu merancang solusi rekayasa teknik elektro yang berkelanjutan dengan mengintegrasikan nilai-nilai etika profesi, keselamatan operasional, dan keberlanjutan lingkungan.	2. Able to design and build wired and wireless communication and information network infrastructure that is reliable, scalable, secure, and aligned with the latest technical standard developments. Able to develop data-based industrial control systems and artificial intelligence that are efficient, adaptive, and interoperable, taking into account ease of maintenance and the dynamics of the production environment. 3. Able to develop data-based industrial control systems and artificial intelligence solutions that are efficient, adaptive, and interoperable, considering ease of maintenance and the dynamics of the production environment. 4. Able to design sustainable electrical engineering solutions by integrating professional ethics, operational safety, and environmental sustainability.

Jakarta, 12 Mei 2024 / Jakarta, May 12, 2024

Disetujui / Approved by

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