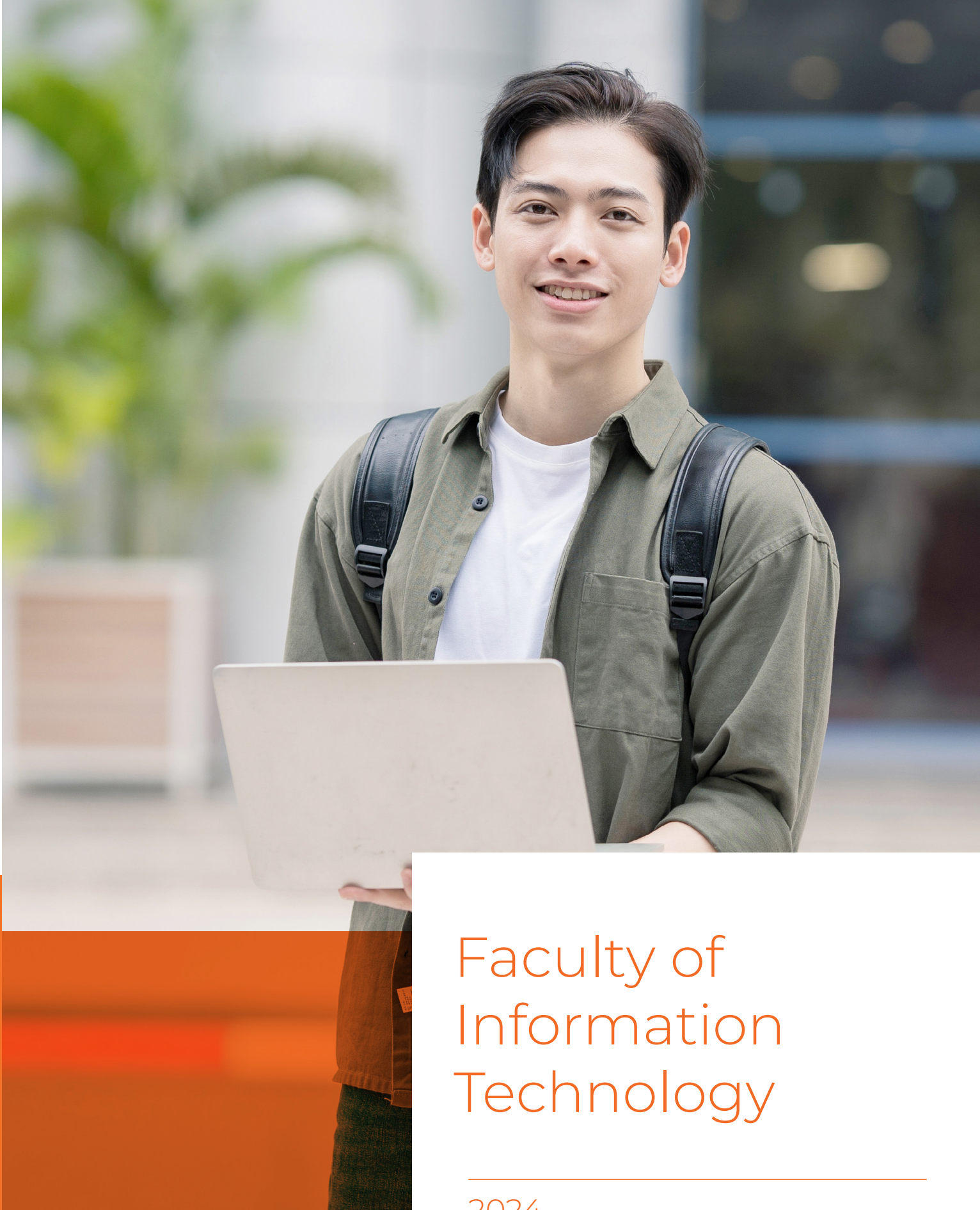




**UPH**  
UNIVERSITAS PELITA HARAPAN



Faculty of  
Information  
Technology



# Faculty of Information Technology

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2024



# Why Choose Faculty of Information Technology at UPH

**30** Years of Experience

and Expertise in Computer Science & Information Technology

More than **13** Professional Certification Programs available

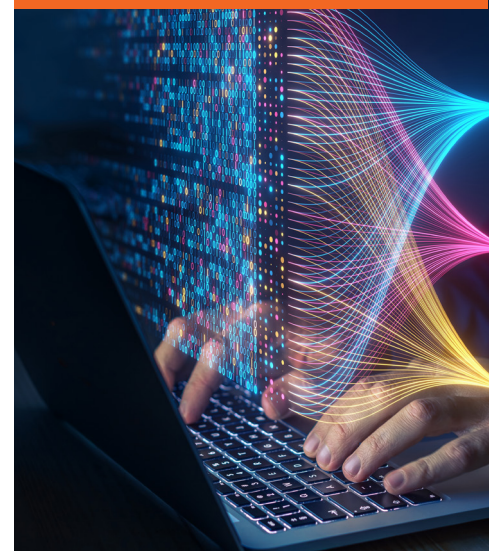
More than 5 edX Courses, Flexible Independent Study



Highly Employable Alumni, Getting Work Within 3 Months



M-Flex: Dynamic Learning Adaptability



# Our Programs

LVISIM

## Artificial Intelligence and Cognitive Computing

### DEGREE

Sarjana Komputer (S.Kom.)

### WHAT YOU WILL LEARN

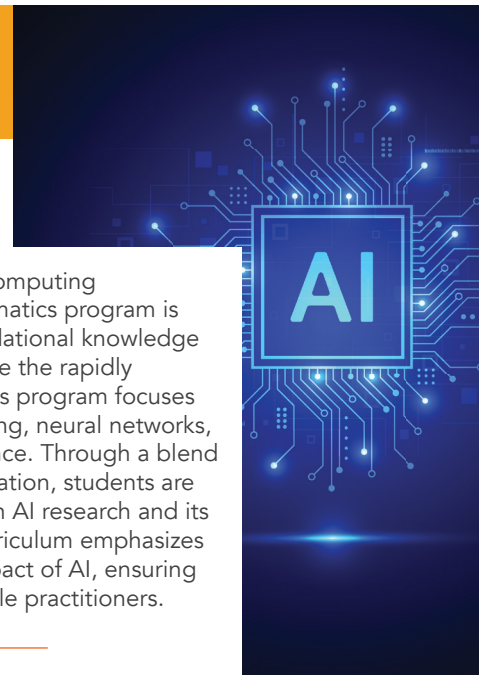
- Advance Machine Learning Technique
- Neural Networks and Deep Learning
- AI Ethics and Law
- Computer Vision and Pattern Recognition
- Predictive Analytics and Decision Systems
- Natural Language Processing

### OUTSTANDING FEATURES

The Artificial Intelligence and Cognitive Computing concentration within the Bachelor of Informatics program is designed to equip students with the foundational knowledge and cutting-edge skills required to navigate the rapidly evolving landscape of AI technologies. This program focuses on developing expertise in machine learning, neural networks, data analysis, and computational intelligence. Through a blend of theoretical learning and practical application, students are prepared to contribute to advancements in AI research and its application across various sectors. The curriculum emphasizes ethical considerations and the societal impact of AI, ensuring graduates are well-rounded and responsible practitioners.

### CAREER OPPORTUNITIES

- AI specialist, machine learning engineer, data scientist, AI research analyst, and more
- Industries such as technology, healthcare, finance, automotive, and entertainment, where AI and deep learning technologies are being increasingly adopted



LVISIM

## Cyber Security

### DEGREE

Sarjana Komputer (S.Kom.)

### WHAT YOU WILL LEARN

- Cryptography and Network Security
- Cyber Defense Strategies and Risk Management
- Ethical Hacking and Penetration Testing
- Digital Forensics and Incident Response
- Secure Software Development

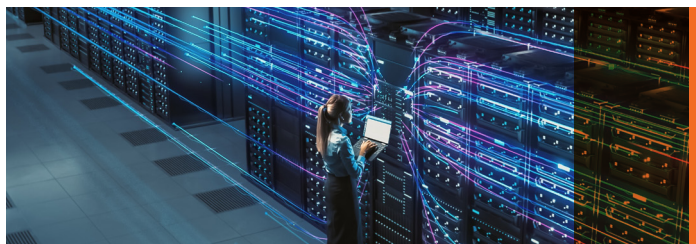


### OUTSTANDING FEATURES

The Cybersecurity concentration within the Bachelor of Informatics program is structured to provide students with the knowledge and skills necessary to protect and defend information systems against cyber threats. This program covers a wide range of topics, including network security, cryptography, ethical hacking, digital forensics, and compliance. With a strong emphasis on practical, hands-on learning, students are prepared to identify vulnerabilities, mitigate risks, and ensure the integrity, confidentiality, and availability of information. The curriculum also addresses the ethical and legal aspects of cyber security, preparing graduates to navigate the complexities of information security in a rapidly changing digital landscape.

### CAREER OPPORTUNITIES

- Cybersecurity analyst, penetration tester, security consultant, digital forensic investigator, and information security manager.
- They are well-prepared for careers in sectors highly dependent on robust cybersecurity, such as financial services, healthcare, government, and technology.



LVISIM

## Digital Technology and Innovation

### DEGREE

Sarjana Komputer (S.Kom.)

### WHAT YOU WILL LEARN

- Immersive Technology
- IoT Programming
- IT Quality Assurance and Risk Management
- Business Recommendation Systems
- Advanced Mobile Application Programming

### OUTSTANDING FEATURES

- Teach cutting-edge digital technologies, not only in coding but also in product development and project management, preparing students for diverse career paths in various sectors
- Train students in applying immersive technologies (e.g., VR/AR/MR) in product development and project management across industrial and creative sectors.
- Using international curriculum standards (APTIKOM and ACM) and providing specialization certifications enhance professional marketability.

### CAREER OPPORTUNITIES

- Data/Business Analyst, Project/Product Manager, IT/IS Consultant, IT Auditor, UI/UX, Software Engineer, Technopreneur, Various Managerial Positions in IS/IT, Scholar/Researcher
- Industries: Graduates are prepared for abroad spectrum of careers in industries undergoing digital transformation, including technology startups, consumer behaviour, digital marketing, the creative industry, etc. The curriculum prepares them not only for technical roles but also for leadership positions where managing innovation and overseeing digital projects are crucial.



LVIM

## Applied Artificial Intelligence and Data Analytics

### DEGREE

Sarjana Komputer (S.Kom.)

### WHAT YOU WILL LEARN

- Applied Artificial Intelligence and Data Analytics
- Behavioral and Trend Analytics
- Process Mining
- Web and Social Media Analytics
- Big Data Management

### OUTSTANDING FEATURES

- Integrates Artificial Intelligence through various sector case studies, blending insights from various disciplines and industries, including learning about Artificial Intelligence tools enhancing career readiness.
- Engage in various projects that address Real-World cases using Artificial Intelligence and Analytics to create innovative and effective solutions
- Using international curriculum standards (APTIKOM and ACM) and providing specialization certifications enhances professional profiles in Applied Artificial Intelligence and Data Analytics

### CAREER OPPORTUNITIES

- Data/Business/AI Analyst, AI Prompt Engineer, AI Product Specialist , Data Engineer, Database Administrator, Various Managerial Positions in IS/IT, Scholar/ Researcher
- Industries: Graduates are prepared for impactful roles in industries that leverage AI and analytics extensively, such as finance, healthcare, technology, and retail. These sectors demand professionals skilled in analysing data and implementing AI-driven solutions to improve decision making and operational efficiencies.





## CERTIFICATION PROGRAMS

Our students will be given the opportunity to enhance their portfolio through various certification programs such as, but not limited to:

- Google Certified Professional Machine Learning Engineer
- Google Certified Professional Cloud Security Engineer
- Google Certified Professional Data Engineer
- CompTIA Security+
- Certified Ethical Hacker (CEH)
- Certified Information Systems Security Professional (CISSP)
- Project Integration Methodology of Excellence (PRIME)
- Certified in Risk Management (CRM)
- Certificate in Digital Marketing (CDM)
- Android Developer Associate (ADA)
- Microsoft Technology Associate (MTA)
- Information Technology Specialist AI
- Certified Data Science Practitioner™ (CDSP)



## Selected Partners :

### Industrial



### Academic

#### National



#### International





# Our Alumni Testimonies



## Mayumi Sari Utama

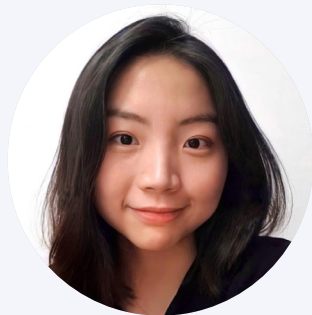
Information Systems  
2015 - Technology  
& Operations Risk  
Management - DBS Bank

If I could turn back time, I would definitely choose SI UPH again to pursue my Bachelor's degree. All faculty members were very helpful and dedicated in preparing students to face the professional world.

## Joshua Natan

Information Systems  
2016 - Assistant  
Manager - KPMG  
Indonesia

Learning information systems enables a comprehensive understanding of people, process, and technology in managing and leveraging various information technologies across industries. Graduates will have a holistic business perspective on information technology which enables them to ensure an effective utilization of IT for business strategy, growth, and competitive advantages.



## Jessica Sean

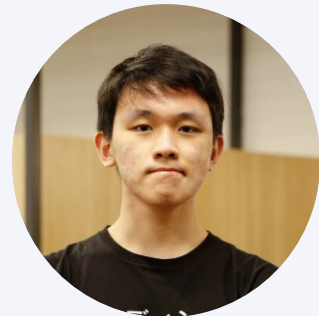
Informatics 2015 -  
Senior Software  
Engineer (Android) at  
Grab Singapore

The curriculum is up-to-date, and competent lecturers ensure the material is relevant to technological advancements. During my studies, I explored AI, web, and mobile development, gaining practical experience through coursework projects. The knowledge and experience from UPH have been invaluable in facing workplace challenges. I highly recommend the Bachelor of Informatics Program at UPH for anyone looking to grow in computer science.

## Laurentius Dominick

Informatics 2016 - Expert  
Software Engineer at  
Shopee Singapore

In my opinion, two important factors for starting a career are skill and opportunity. UPH has provided both. The UPH curriculum and the projects given have provided me with the essential fundamentals to become a good software engineer. Not only that, various extracurricular activities have also equipped me with the soft skills needed to navigate challenges in the working world. Additionally, with activities relevant to the current tech industry, such as competitive programming, UPH has opened up opportunities for me to reach this point.



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## UNDERGRADUATE ADMISSION CENTER

### LIPPO VILLAGE CAMPUS

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Jl. M.H. Thamrin Boulevard 1100, Lippo Village  
Tangerang 15811, Banten - Indonesia

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Whatsapp : +62 8111 05777 65 (chat only)  
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[www.uph.edu](http://www.uph.edu)