



DIKTISAINTEK
BERDAMPAK

PROGRAM BOOK



FUTURE TECH LEADERS

DEVELOPMENT PROGRAM

*by Faculty of Engineering
Universitas Katolik Widya Mandala Surabaya*



www.ft.ukwms.ac.id





DIKTISAINTEK
BERDAMPAK

ENGINEERING

A WORLD OF INNOVATION

In our faculty, we educate excellent and dynamic innovation leaders who build a sustainable future.

We are actively equipping students with the global competencies they need, fueled by rigorous education, dynamic hands-on training, and strategic partnerships with educational institutions nationwide.

We're building the architects of tomorrow's world, today.



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OUR. MENU.

Find out what we offer to elevate your tech skills



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SCIENTIFIC WRITING

Write smarter, not harder! ✍️ Unlock your potential in scientific writing with our focused coaching sessions.

Topic: All subjects in science and technology

Seats: 10 students per session

Location: UKWMS, Kalijudan Campus



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LABORATORY INTERNSHIP

Ready to level up your science skills? 🚀

Join our exclusive Laboratory Internship Program!

Gain practical lab experience, work alongside researchers, and boost your resume for college applications. Don't just learn science, do science!

Topic: All subjects in science and technology

Seats: 2 teams @ 2 students per semester

Location: UKWMS, Kalijudan Campus



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CREDIT TRANSFER

*Imagine finishing college faster and with less debt! ✨
Our Credit Transfer Program allows ambitious high
school students to earn valuable university credits.*

*It's smart, efficient, and puts you ahead of the game.
Don't wait – accelerate your degree!*

Topic: Calculus, Physics, Organic/Analytical/Basic
Chemistry, Chinese, etc.

Seats: 5 students per class

Location: UKWMS, Kalijudan Campus



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MINI WORKSHOPS



APPLIED CHEMICAL TECHNOLOGY

Learn to make bioplastics, craft amazing soaps and candles, extract essential oils, create hydrogel beads, and master filtration!

Seats: 20 students per session
Location: UKWMS, Kalijudan Campus



BIOMEDICAL TECHNOLOGY

Heal. Innovate. Design.
Join our Biomedical Technology workshop and explore how tech transforms health!

Seats: 15 students per session
Location: UKWMS, Kalijudan Campus



SOLAR PANEL

Be part of the clean energy revolution! Learn to design, install, and maintain the solar power technology that will power our sustainable future.

Seats: 15 students per session
Location: UKWMS, Kalijudan Campus



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MINI WORKSHOPS



ROBOTICS

Can you make a robot move, grab, and navigate? Master the mechanics and programming behind Car Robots and Robotic Arms.

Seats: 15 students per session
Location: UKWMS, Kalijudan Campus



INTERNET OF THINGS, AND ARTIFICIAL INTELLIGENCE

Learn how to connect devices and infuse them with innovative decision-making capabilities, your gateway to building intelligent industries

Seats: 50 students per session
Location: UKWMS, Kalijudan Campus



CODECRAFT (PYTHON PROGRAMMING)

Level up your tech game with Python! You'll gain the expertise needed for data analysis, machine learning, web applications, and beyond.

Seats: 50 students per session
Location: UKWMS, Kalijudan Campus



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MINI WORKSHOPS



DESIGNOVA (WEB DESIGN USING HTML, CSS, JS)

Bring your web visions to life!
Join and unlock the power to
build stunning, interactive
websites from scratch.

Seats: 50 students per session
Location: UKWMS, Kalijudan
Campus



FLUTTER (ANDROID PROGRAMMING)

Flutter Fun! 🚀📱✨ Master
Android app development
with Flutter. Build beautiful,
fast apps today!

Seats: 50 students per session
Location: UKWMS, Kalijudan
Campus



CYBER SECURITY

Think like a hacker to stop a
hacker! Learn to anticipate
threats, analyze vulnerabilities,
and implement robust security
measures.

Seats: 50 students per session
Location: UKWMS, Kalijudan
Campus



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MINI WORKSHOPS



AI-POWERED LEARNING

Curious how AI can make you smarter? Explore how AI helps you adapt to your needs and conquer academic challenges more effectively.

Seats: 25 students per session

Location: UKWMS, Kalijudan Campus



BASICS OF DATA SCIENCE

Invest in your data-driven future.
Equip yourself with the core skills that power decision-making across every industry.

Seats: 25 students per session

Location: UKWMS, Kalijudan Campus



STATISTICAL DATA ANALYSIS

Master the backbone of research and analytics. Gain the critical skills needed for academic research, business intelligence, and scientific studies.

Seats: 25 students per session

Location: UKWMS, Kalijudan Campus



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MINI WORKSHOPS



DESIGN-TO-PRODUCT: MAKE IT REAL!

Your ultimate journey from concept to tangible creation. Learn the complete process of transforming a design idea into a real-world product.

Seats: 25 students per session
Location: UKWMS, Kalijudan Campus



BASICS OF OPERATIONAL MANAGEMENT

Master the art of seamless operations! Discover the basic principles that drive productivity and success, from resource allocation to quality control.

Seats: 25 students per session
Location: UKWMS, Kalijudan Campus



TOYOTA PRODUCTION SYSTEM (TPS)

Go Lean, Go Global! 🏭🚀💡
Master the Toyota Production System (TPS). Boost efficiency, cut waste, build excellence!

Seats: 25 students per session
Location: UKWMS, Kalijudan Campus



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SCHEDULE

Schedules for all activities are adaptable to school timetables. Participant quotas are program-specific.

CONTACT

To schedule a program with us, contact us through WhatsApp:

+62 81 330 563 170 (Maria Yuliana)

Once the schedule is confirmed, email your request to

vicedean1-eng@ukwms.ac.id



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of brilliant minds.



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