

# PROSPECTUS

## Information Systems

Faculty of Applied Science and Technology  
Universitas Ahmad Dahlan







# Faculty of Science and Applied Technology

Firstly, the faculty with name Faculty of Mathematic and Natural Science (FMIPA) was established on 1994. There are 4 departments (mathematics, Physic, Biology and computer science) under management of FMIPA. In the journey, in 2019, The Faculty was changed into Faculty of applied science and technology (FAST). The new name Faculty is also manage 4 department where one of the department is change from computer science into information system. The department of **Biology** focuses on the development and utilization of Indonesia's biological resources to be have high and sustainable economic value. The department of **Physic** focuses on the metrology, electronic materials and instrumentation. The department of **Mathematics** focuses on data science and scientific computation to support the decision making process. **Whereas**, The Information system department focuses on the planning Information technology requirement of organization, developing information systems and utilizing information technology to increase organizational competitiveness.

The FAST has global vision to be excellent faculty on the development and applied science, innovative sustainable technology, and contribution to society and community based on Islamic values.

**Faculty of Science and Applied Technology is located on the 8th Floor of the UAD Main Campus, West building**

Jalan Ringroad Selatan, Tamanan Banguntapan Bantul, Yogyakarta Indonesia.

# About of Information System

**The Vision :** “To become a trusted, superior and competitive department in the field of information systems that supports organizations, community businesses, and industries contributing to society and community based on Islamic values”.

## **Profile of Graduate :**

### **1. System Analyst and Design**

Able to analyse system requirements and design systems according to the needs of organizations, community businesses and industry.

### **2. Development System**

Able to implement and evaluate information systems and technology used to support activities in organizations, community businesses and industry.

### **3. Enterprise Architecture Analyst**

Able to understand business, find important issues, strengths and weaknesses as well as suggestions for improvement in organizations, community businesses and industries.

### **4. Technopreneur**

Able to create, promote and manage business in the field of information technology.

## **The objective Information System department to :**

1. Produce the trust and excellent graduation that have ability to development, applied, and manage system and IT to support organization, industry and society.
2. Produce the trust and excellent graduation that have technopreneurship ability.
3. Support research where the result will be published in the reputable national and/or international journal.
4. Support lecturer and student patten potentially collaboration research.
5. Community service activities
6. Practice of Al Islam and Kemuhammadiyah values for all academics and teaching staff.



# CURRICULUM

Semester 1			
No	Course Code	Course Name	Credits
1	181610131	Algorithm and Programming 1	3
2	181610220	English 1	2
3	181610331	Physic for SI	3
4	181610430	Basic Mathematic	3
5	181610530	Pancasila and Civics Education	3
6	181610630	Introduction of Business and Management	3
7	181610731	Introduction of Information Technology	3
8	181610900	Certification I - Tahsin Quran	0
9	181610820	Islamic Studies 1- Al Quran and Hadits	2
		<b>Total</b>	<b>22</b>

Semester 2			
No	Course Code	Course Name	Credits
1	181621031	Algorithm and Programming 2	3
2	181621830	Business Process Analysis	3
3	181621130	Indonesian	3
4	181621220	English 2	2
5	181621331	Fundamentals of Information System	3
6	181621530	Discrete Mathematics	3
7	181621600	Certification 2 - Kemuhammadiyah	0
8	181621731	Statistics and Probability	3
9	181621420	Islamic Ethics	2
		<b>Total</b>	<b>22</b>

Semester 3			
No	Course Code	Course Name	Credits
1	181631931	Computer Architecture and Organisation	3
2	181632031	Data Base	3
3	181632131	Human and Computer Interaction	3
4	181632231	Computer Networking	2
5	181632700	Certification 3 - Fiqh of Worship and Munakahad	3
6	181632331	Data Structure	3
7	181632420	Aqidah Islam	0
8	181632520	Technopreneurship	3
9	181632631	Web Technology	2
		<b>Total</b>	<b>22</b>



Semester 4			
No	Course Code	Course Name	Credits
1	181642831	Advance DataBase	3
2	181642931	Visual Programming	3
3	181643031	Computer Security	3
4	181646500	Certification 4 - Dakwah Science	2
5	181643231	Object Oriented System	3
6	181643330	Operating System	3
7	181643120	Islamic Studies - Islamic Interdisciplinary	0
8	181643431	Advances Web Technology	3
		<b>Total</b>	<b>20</b>

Semester 5			
No	Course Code	Course Name	Credits
1	181653631	System and Network Administration	3
2	181653531	Information System Analyse and Design	3
3	181653731	Software Engineering	3
4		Elective 1	3
5		Elective 2	3
6		Elective 3	3
		<b>Total</b>	<b>18</b>

Semester 6			
No	Course Code	Course Name	Credits
1	181664622	Profesional Ethic	2
2	181664922	Intership	2
3	181664822	Interpersonal Communication	2
4	181664733	Project Management	3
5		Elective 1	3
6		Elective 2	3
7		Elective 3	3
		<b>Total</b>	<b>18</b>

Semester 7			
No	Course Code	Course Name	Credits
1	181675644	Community Service Program	4
2	181675820	Research Methodology	2
3	181675720	Academic Writing	2
4		Elective 1	3
5		Elective 2	3
6		Elective 3	3
		<b>Total</b>	<b>17</b>

Semester 8			
No	Course Code	Course Name	Credits
1	181686460	Undergraduate Thesis	6
		<b>Total</b>	<b>6</b>



# Experience Summer Break in Yogyakarta

Universitas Ahmad Dahlan Campus 4  
Jl. Ahmad Yani, Tamanan, Kecamatan Banguntapan,  
Kabupaten Bantul, Daerah Istimewa Yogyakarta 55191



# // General Objective //

Upgrade specific skills required to improve competence in respective disciplines

Facilitate professional development through engagement with academicians, faculty members, industry practitioners, and student peer groups at the host university

Enhance personal growth by engaging with local communities







# // Who can apply?

- Students currently enrolled in an accredited university
- Students possess the prerequisites requested (depending on the course chosen)



# Course Load

Student can only take  
one course at a time

Two-week program:  
180 minutes x 14 classes

Language of  
Instruction: English

## Credit Transfer

Credit earned FAST Short Course are transferable  
at the discretion of home universities

Students are advised to consult with appropriate  
academic authorities at their home universities

## Cultural Activities

Field trip to iconic places of Yogyakarta

Merapi Lava Tour



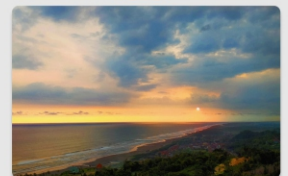
Traditional  
Dance



Malioboro



Beach



# Program Fee

## Physical

*(all courses except for Machine Learning)*

**USD 110** (for International Student)  
**IDR 200.000** (For UAD Student)  
**IDR 800.000** (Other than UAD Student)

## Virtual

*(only for Machine Learning Course)*

**USD 50** (for International Student)  
**IDR 400.000** (For Local Student)

# Benefits

*\* only for physical programs*

*\*\* at the discretion of home universities*

- Credit transfer\*\*
- Experienced instructors
- Course modul
- Industrial visits\*
- Seminar kits\* *(Lovely tote bag, notebook, and tumbler)*
- Certificate
- Sightseeing field trip\* *(City tour, Merapi lava tour, Gunungkidul beaches)*
- Cultural exchange
- International exposures and networks
- Free coffee break and lunch during courses\*





# Summer Course on 360° Interactive Web Development: Case Study on Yogyakarta Virtual Tour

Program Fee

**USD 110**

*Transfer fee not included*

# Summer Course on 360° Interactive Web Development: Case Study on Yogyakarta Virtual Tour

## About The Course

This course aims to develop Yogyakarta virtual tour by using 360° interactive web technology, which is a new trend in the web design industry. This technology allows us to embed 360° media to websites on desktop, mobile and Virtual Reality (VR). 360° content makes a significant impact on web design and creates an exceptional interactive experience. The course provides participants to develop 360° interactive webs such as 360° Image Data acquisition, 360° web-based visualisations and utilization of 360° interactive tools. The last session of the course will implement a project on Yogyakarta virtual tour. This course will inspire the next web design project.

- **Day 1 – 2 (2 x 180 min)**  
System Requirement and Desain Analysis
- **Day 3 – 4 (2 x 180 mins)**  
HTML, CSS
- **Day 5 – 6 (2 x 180 mins)**  
Javascript
- **Day 7 – 8 (2 x 180 mins)**  
360° Image Data Acquisition
- **Day 9 – 10 (2 x 240 mins)**  
360° Web Based Visualisation
- **Day 11 – 12 (2 x 240 mins)**  
System Testing
- **Day 13 – 4 (2 x 360 mins)**  
Implementation and Practice (Project)

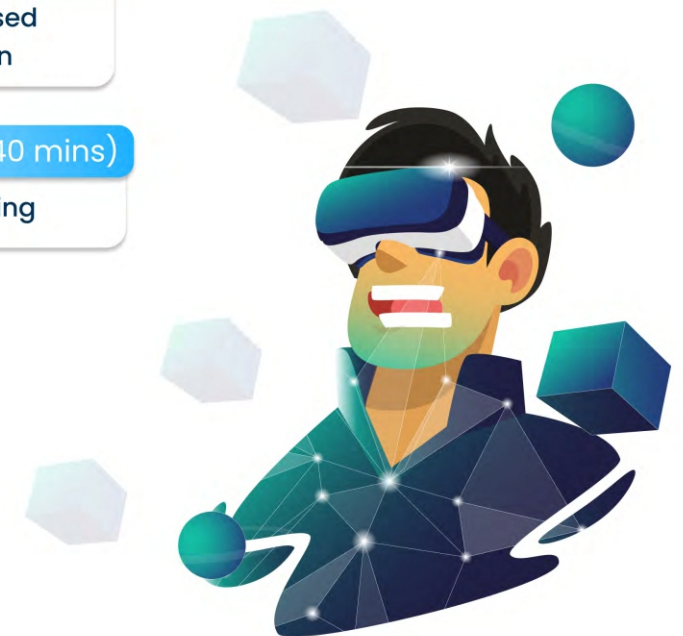
## Instructors

- Dr. Mursid Wahyu Hananta, M.Kom.
- Arif Rahman, S.Kom., M.T.
- Imam Azhari, S.Si., M.Cs.
- Farid Suryanto, S.Pd., M.T.
- PT Sunhouse Digital

## Prerequisites

We recommend that participants take Algorithms and Programming, Data Structure.

\* Program schedules are tentative and subject to change



## PIC

Farid Suryanto, S.Pd., M.T. | +6281391031229  
(only available on Whatsapp)  
farid.suryanto@is.uad.ac.id



# Elective Courses

No	Course Code	Course Name	Credits	Semester
1	181653931	Datamining	3	5
2	181654230	E-Business	3	5
3	181654331	Multimedia Online	3	5
4	181654430	Organisation Behaviour	3	5
5	181653831	Geografics Information System	3	5
6	181654031	Multimedia Information System	3	5
7	181654130	IT Governance	3	5
8	181654531	Multimedia Technology	3	5
9	181665431	Network Design and Management	3	6
10	181665031	Digital Forensic	3	6
11	181665130	Decision Support System	3	6
12	181665531	Inter/Intranet Technology	3	6
13	181665231	Mobile Technology	3	6
14	181665331	Information Visualisation	3	6
15	181675930	Audit SI/TI	3	7
16	181676030	Risk Management TI	3	7
17	181676131	Software Quality Assurance	3	7
18	181676231	User Interface Design	3	7
19	181676330	Enterprise System	3	7



# Facilities

## The Information System department has five laboratories

- Basic Computer
- Information System Development
- Information Technology Business Strategies
- Multimedia
- Final Project

All the laboratories is located on the 4th floor of the integrated laboratory building with total capacity 32 computer each room. The laboratories and its facilities are free to use for practicum, research of lecturer and student, workshop and competency tests.

There are several public facilities of Universitas Ahmad Dahlan (UAD) such as Islamic Center Mosque, Health Services, Sports Facilities, Information Technology Services (UAD Email, Online Journal, Academic Management Information System, Student Academic Portal), Central Library, Internet Access (Eduroam, Wifi BSI UAD, VPN), E-Learning Portal ([Elearning.uad.ac.id](http://Elearning.uad.ac.id))





# REGISTRATION

## HOW TO APPLY ?

please visit :<https://pmb.uad.ac.id/> and [pmb-online.uad.ac.id](https://pmb-online.uad.ac.id)

## ADMISSION OF NEW STUDENTS :

UAD Kampus IV (Main Building)

Main Building 2nd Floors

Jalan. Jend. Ahmad Yani, Banguntapan, Bantul, Daerah Istimewa  
Yogyakarta.

Telp. 0274-563 515

(S1) : 0853 8500 1960 | 0856 267 1960

## CAMPUS SERVICES TIME :

Submission Services

Online by website [pmb-online.uad.ac.id](https://pmb-online.uad.ac.id)

Offline Monday – Saturday (08:00 AM– 16:00 PM)

Computer Based Test (CBT) Services

Monday – Saturday (08:00 AM– 16:00 PM)

## LECTURE TIMELINE FOR 16 WEEKS:

- Odd Semester Start in September-July
- Even Semester Start in February- August



**UAD New Student  
Admission Information**

🌐 [pmb-online.uad.ac.id](https://pmb-online.uad.ac.id)

📞 0853 8500 1960  
0856 267 1960

