

# THE 2<sup>ND</sup> ANNUAL MASTERCLASS ON DIGITAL ISLAMIC STUDIES

## *Practical Training*

3–5 JULY 2023

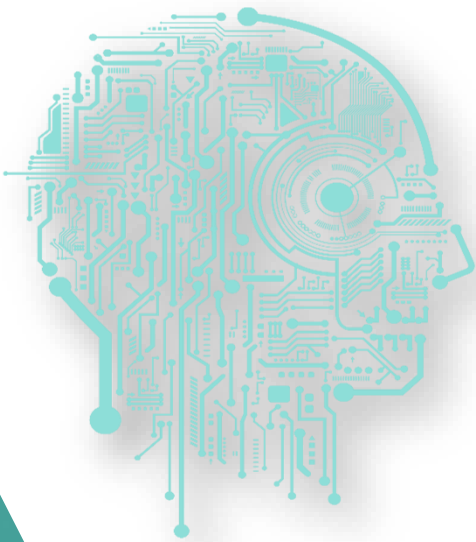
Teleconference Room  
Faculty A

Center of Islam and Global Challenges (IGC)  
Faculty of Islamic Studies  
Universitas Islam Internasional Indonesia (UIII)

# Overview

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The rapid growth of digital media has profoundly impacted Muslim societies and the study of Islam. One significant outcome is the emergence of **digital humanities**, which employs computational and technological methods to conduct research in the humanities. In the field of Islamic studies, digital technology has facilitated the **digitization** of Islamic texts, enhancing their accessibility and enabling extensive analysis. For example, the availability of **big data** on Islamic texts has allowed scholars to analyze **semantic shifts** in Islamic literary history over long periods, a task previously challenging with traditional methods. These developments demonstrate the transformative potential of digital technologies for uncovering **new areas** of research in Islamic studies and related fields.



Welcome to the **Second Annual Masterclass on Practical Training in Digital Islamic Studies**, a unique event designed to explore the practice of researching Islam in the digital era. Hosted by the **Center of Islam and Global Challenges (IGC)** at the Faculty of Islamic Studies, Universitas Islam Internasional Indonesia (UIII), this program aims to provide participants with **practical guidance** on conducting digital humanities research. Esteemed experts in the field will deliver a series of lectures spanning three days, delving into various topics, including an introduction to **machine learning** using **Python**. By offering valuable insights and equipping scholars with essential skills and knowledge, our primary objective is to enable **YOU** to embrace the future trajectory of researching Islam and the humanities in the digital age.

# Expected Outcomes

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**Outcome 1:** Understand Digital Humanities (DH). By the end of this training, attendees will be equipped with the foundational knowledge necessary to comprehend and appreciate the breadth and potential of Digital Humanities.

**Outcome 2:** Understanding what sorts of problems DH can solve. This training class aims to empower participants with the ability to identify and understand the types of problems that DH methodologies and techniques can effectively tackle.

**Outcome 3:** Hands-on experience solving real research problems using computer programming. An essential aspect of this practical training class is to provide participants with hands-on experience in solving real research problems using Python.

**Outcome 4:** Developing the critical skill of computational thinking. In addition to acquiring technical skills, this training class also places a strong emphasis on fostering computational thinking among participants to develop a broader problem-solving mindset applicable across various domains.

# Schedule

## Day One

3 July 2023

Time	Activity	Notes
08.00 – 09.00	Registration	<i>Participants are to register</i>
09.00 – 09.10	Opening speech by the Rector of UIII	<i>Prof. Dr Komaruddin Hidayat</i>
09.10 – 09.20	Welcoming speech by the Dean of Faculty of Islamic Studies	<i>Prof. Dr Noorhaidi Hasan</i>
09.20 – 09.30	Introduction to the Center and the Masterclass	<i>Dr Muhammad Al-Marakeby</i>
09.30 – 09.45	<i>Coffee break</i>	

### *Practical Training Day One*

09.45 – 12.00	<b>Fundamentals of Machine Learning</b>	<ul style="list-style-type: none"><li><i>Dr Emad Mohammad</i></li><li><i>Dr Yusuf Çelik</i></li></ul>
	Introduction to Phyton	
	Phyton's function in numbers	
	Phyton's string	
12.00 – 13.30	<i>Dzuhur prayer and lunch time</i>	
13.30 – 15.00	<b>Fundamentals of Machine Learning – continued</b>	<ul style="list-style-type: none"><li><i>Dr Emad Mohammad</i></li><li><i>Dr Yusuf Çelik</i></li></ul>
	Phyton's lists	
	Phyton's dictionaries	

# Day Two

4 July 2023

Time	Activity	Notes
<i>Practical Training Day Two</i>		
09.30 – 11.30	<b>Practical Training in Using Phyton</b>	<ul style="list-style-type: none"><li>• Dr Emad Mohammad</li><li>• Dr Yusuf Çelik</li></ul>
	File processing introduction	
	Steps of processing files	
	Practices and techniques	
11.30 – 13.00	<i>Dzuhur prayer and lunch time</i>	
13.00 – 15.00	<b>Practical Training in Using Phyton – continued</b>	<ul style="list-style-type: none"><li>• Dr Emad Mohammad</li><li>• Dr Yusuf Çelik</li></ul>
	Frequency introduction	
	Steps of building frequency	
	Practices and techniques	

# Day Three

5 July 2023

Time	Activity	Notes
<i>Practical Training Day Three</i>		
09.30 – 11.30	<b>Practical Training in Using Phyton</b>	<ul style="list-style-type: none"><li>• Dr Emad Mohammad</li><li>• Dr Yusuf Çelik</li></ul>
	Practice based on student's case	
	Use of digital humanities tools	
	Other applicable practices	
11.30 – 12.00	Wrapping up and closing remarks	<i>Dr Muhammad Al-Marakeby</i>

# Courses' Instructors

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**Dr Emad Mohammad**, an Assistant Professor of Business Analytics at the Bradford School of Management, possesses expertise in various areas such as Natural Language Processing, Computer Vision, Cultural Analytics, and Digital Humanities. His contributions in these fields have been acknowledged through substantial grants, and he currently serves as the managing editor of the Journal of Digital Islamicate Research published by Brill.

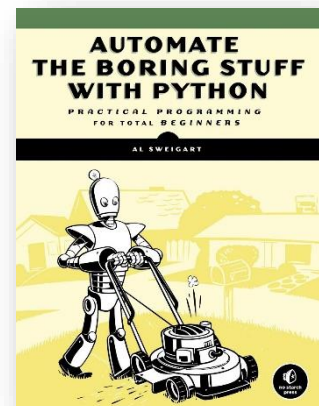
**Dr. Yusuf Çelik**, an Assistant Professor at Vrije Universiteit Amsterdam, specialises in Digital Humanities and Islam. He has extensive experience in the field of digital humanities, having worked on various projects, papers, tools, and datasets. His current research focuses on a range of digital topics, including intertextuality, digital hadith scholarship, and comparative semitic studies. He is also on the editorial board of the Journal of Digital Islamicate Research and an associated editor at Wiley's Future Humanities.



## Recommended Reference

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**Al Sweigart (2019)**. Automate the Boring Stuff with Python, 2nd Edition: Practical Programming for Total Beginners.



# Masterclass Venue

The 2<sup>nd</sup> Annual Masterclass on Digital Humanities will be held in the **Teleconference Room** located in the **2<sup>nd</sup> floor** of the **Faculty A**, Universitas Islam International Indonesia.



## How to get here?

### Arriving at Soekarno-Hatta airport?

You are advised to take taxi or online public transportation as it is the best recommended option.

### Bus from other cities?

Take bus to Depok and stop at Jatijajar bus station, then take Gojek or online taxi to UIII.

### Driving your own car?

Arriving in Jakarta – Toll Jagorawi – Toll JORR2 – Exit Cisalak Toll – Cisalak – UIII

### Taking a Commuterline (KRL)?

From Manggarai to Pondok Cina (Destination to Bogor) then take Gojek or Grab.

### Commuting with TransJakarta?

From TransJakarta station at Lebak Bulus take 7A route of Lebak Bulus – Kampung Rambutan and stop at TransJakarta Flyover Bogor Raya. Then, take D37 (Kampung Rambutan–Simpangan of Miniarta M06 bus for Kampung Rambutan–Cibinong–Bogor, then stop at UIII Campus.



# Accommodation

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Please be informed that the organizers **will not provide** you with accommodation. We recommend some options for hotel nearby the campus:

- **The Margo City Hotel** (about 5.7km to UIII – 19 minutes by car/taxi)
- **RedDoorz Plus** (about 2.5km to UIII – 12 minutes by car/taxi)
- **Savero Hotel** (about 4.9km to UIII – 18 minutes by car/taxi)
- **Bumi Wijaya Hotel** (about 5km to UIII – 20 minutes by car/taxi)



## More information

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For more information, please visit the following links:

<https://uiii.ac.id/students/transportation>

<https://commuterline.id/perjalanan-krl/peta-rute>

<http://irman-novriandi.com/universitas-islam-internasional-indonesia/>





**Faculty of  
Islamic Studies**



**2023**