

# **WELCOME AETIANS**

Architectural Engineering & Technology



Study Programme BSc
Architectural Engineering and
Technology (AET)
is revalidated by
UNESCO-UIA for FIVE YEARS



20 9-2024

# SPECIALIZATION OF THE PROGRAM WHY?





BUILDING **TECHNOLOGY** 

ENVIRONME<mark>n</mark> TUDIE









**MULTI-DISCIPLINARY ARCHITECT** 

**URBAN DESIGN & URBAN PLANNING** 





**AET** 

**SPECIALIZED** 

[WORLD **DEMAND**]

**BUILDING TECHNOLOGY & ENVIRONMENTAL STUDIES** 

# FACULTY VISION & MISSION Program

V is leadership in the architecture and building technology education to achieve excellence and development of sustainable community and built up environments.

M is to pursue architecture as a humanistic and professional discipline, which synthesizes Art, Engineering Sciences and Technology through intellectual rigor, aesthetic judgment, and technical understanding.

AET
MAIN
EDUCATIONAL
OBJECTIVES

# ARCHITECTURE ENGINEERING AND TECHNOLOGY





### PROFESSION PARADIGM CHANGE

The Goal is to:
Train the students to examine

### the art of architecture and the science and technology of engineering

within a multidisciplinary field that integrates architecture, engineering, technology, environmental studies and management of people and physical resources.











### PROFESSION PARADIGM CHANGE

**DEVELOPMENT COMPANIES** 

**CONTRACTING COMPANIES** 

**BUILDING MATERIAL INDUSTRY** 

**ENGINEERING FIRMS** 

















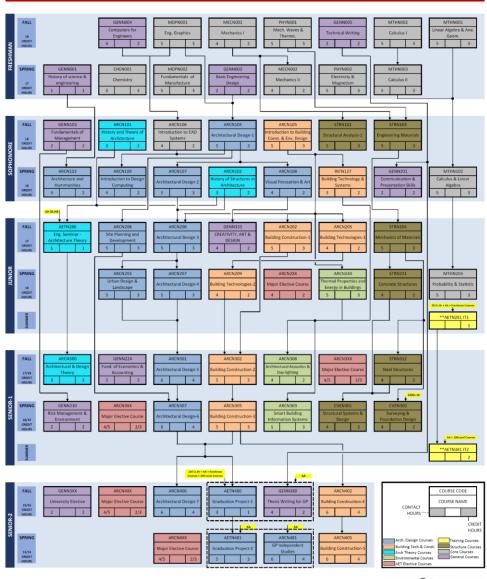








# **AET's 175 Credits** Course Map **Since Fall** 2018



AET COURSE MAD-F 2020-[175 CRDS]



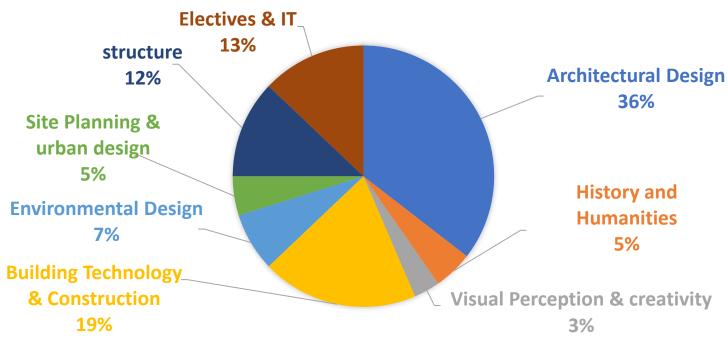
**AET F2020** 





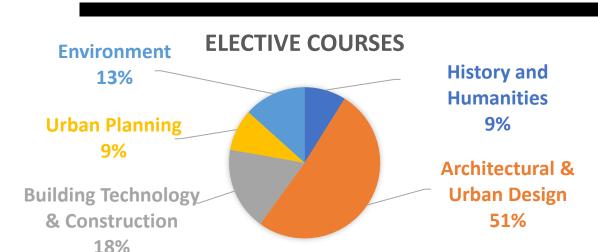
### **PROGRAM STRUCTURE**

### **SPECIALITY CATEGORIES**





ALL COURSES
ARE ON A BASE
OF:



ELECTIVE COURSES IN AET **60** SEMESTER'S WORK/

**40** FINAL EXAM

### **QUALITY ASSURANCE PROCEDURES**

- REVIEW REPORT
- 2011- DEVELOPMENT & DOCUMENTATION

2013

QUALITY ASSURANCE VISIT

**FIRST GRADUATING CLASS** 



2014

EXTERNAL REVIEWER VISIT

2014

INTERNAL AUDIT

2014

- Prof. Moemen Afify/ Prof. Heba Mourad/ Prof. **Mohamed Naiem APPROVED**
- OCTOBER 2014- UIA PRELIMINARY VISIT

2015

- **ENCOUARGING REPORT**
- MBER 2015-CUFE QUALITY **ASSURANCE VISIT-**NAQQAE ACCREDITED

# uia> CHARTE ULA FOR ARCHITECTURAL FORCATION

2016

**ACCREDITED** 

2017

•FEBRUARY 2016- UIA FINAL REPORT VISIT-**FULL ACCREDITATION FOR 3 YEARS** EXTERNAL REVIEWER REPORT

MONITORING SUBGROUP- POSITIVE REPORT

2018

POSITIVE REVIEWER REPORT

 ACTION PLAN TOWARDS UIA REVALIDATION **OCTOBER 2019** 

2019

- NAQAAE ACCREDETATION VISIT & ACCREDITATION











# AET SCIENTIFIC CONFERENCE Fall 2019



### **PARTICIPANTS**

- AET Students & Alumni
- · Staff Members & TA's
- AET Coordination Team

### **AGENDA**

- Orientation
- · Registration and Students' Schedule
- · Feedback of Students on AET Performance
- · Instructors Word and Comments

#### Note

All levels should attend to share their comments feedback



#### Wednesday

11th of December 2019 From 1:00 pm Till 2:00 pm

Location

20307A







# AET GET TOGETHER ONLINE MEETINGS

## **AET RE'VIEW 2018**

### **AET RE-VIEW DAY S'013,015&018**

A gathering of all AET stakeholders to share and participate in the enhancement of the program

INTRODUCING AET- PROGRAM, STUDENTS, STAFF, FACILITIES & ACTIVITIES LATEST DEVELOPMENTS





### PARTICIPANTS

Students, Parents, Alumni, Staff members & Stakeholders, RET IT Advisory Board.

#### OUR RIM

- \*Communicate and exchange your opinions with staff members and the CHS administration.
- \*Know what stakeholders need form you.
- \*Share your experience in RET.
- \*Develop your educational system.
- \*Suggest ideas for RET development.

Sunday

## 1ST of April

Venue:

Faculty of Engineering, Cairo University Faculty Club

5:30 - 8:00 pm









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UNESCO-UIA for FIVE YEARS

r FIVE YEARS 20 | 9-2024

The BSc in Architectural Engineering & Technology-AET (5 years Full Time) is <u>fully validated</u> by the UIA Validation Council for Architectural Education for

for FIVE years, without conditions.

Congratulations on achieving UNESCO-UIA recognition & revalidation of the AET programme

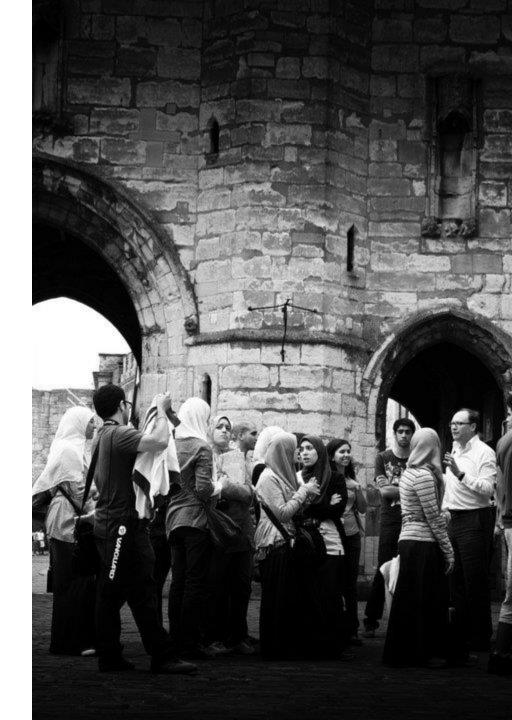






# **SOP-Aim**

- 1. Cultural exposure
- 2. Architectural Scientific exchange
- 3. Life travelling experiences
- 4. Communication skills



## **AET-SUMMER OUTREACH PROGRAM**

2010

 UC Berkeley, USA. 22<sup>nd</sup> of June 23<sup>rd</sup> of July

2011

• St. John International University, Turin Italy.

2011

 University of Lincoln Faculty of Arts and Architecture, UK

2012

 University of Lincoln Faculty of Arts and Architecture UK.
 8th 22nd July

2014

2013- JUNIOR GAP YEAR
• Welsh School of Architecture,

Welsh School of Architecture,
 Cardiff University UK.
 August2nd

2015

• BAUHAUS & VENICE
BIENNALE + MED GREEN
FORUM. August2015

2016

 University of Lincoln Faculty of Arts and Architecture, UK

2017

**BAUHAUS-GERMANY** 

2018

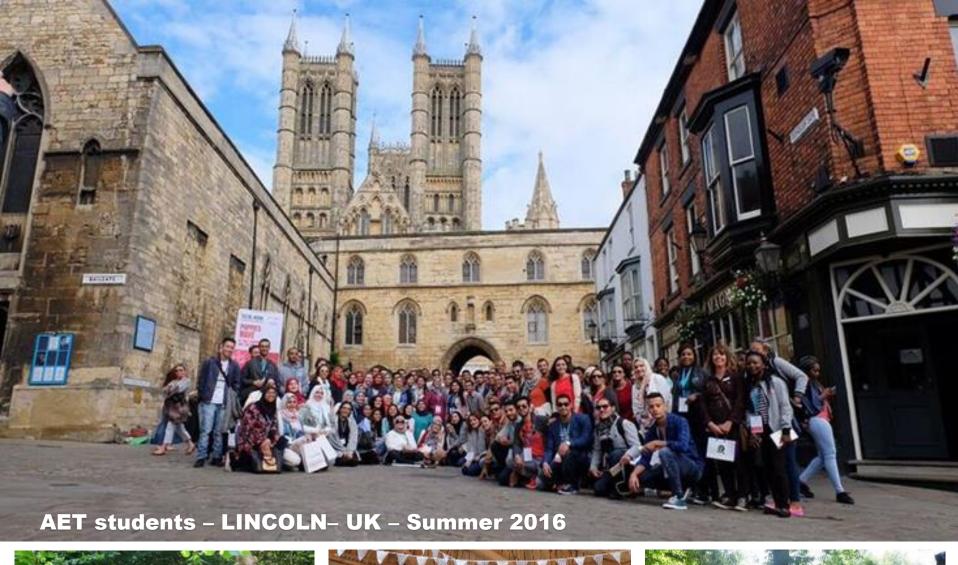
**ITALY-** LA BIENNALE DI VENEZIA

















# SOP- INTERNATIONAL OUTREACH





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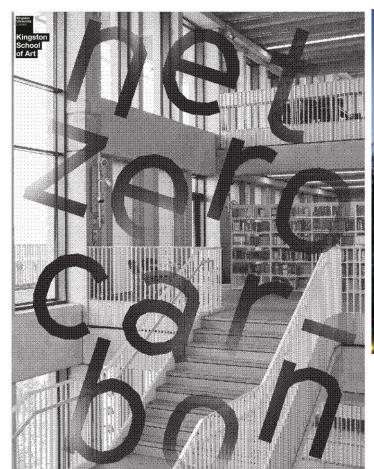




# AET-SUMMER OUTREACH PROGRAM SOP TO SOP 2022, LONDON, Kingston



School of Art, Knights Park



Net Zero Carbon: Architecture and Landscape for Climate Emergency Summer School 17th - 31st July 2022 A2-wesk comprehensive summer programme of interactive lectures, field trips, and

Kingston University Town House, winner of the RIBA Stirling Prize 2022

For more information please visit: kingston.ac.uk/net-zero/ or @ksashortcourses





### STUDENT UNION OF AET- SUAET





### Mission statement:

We are a group of dedicated students from you and chosen by you, serving one goal; helping you and making your college life easier

S.U.A.E.T Agents at your service



**SUAET 2021/2022** 



Assmaa Essam









Menan Shehata









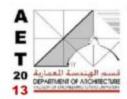








### **AET ALUMNI**





### **AET GRADUATING**

#### 1. INTRODUCING AET GARDUATE

In our pursuit for internal quality assurance, we seek a graduate that can enhance the lives of individuals and communities through endeavors that stem from intellectual curiosity, critical thinking, and broad inquiry, rooted in the interrelatedness of theory, history, and practice linked with the engineering sciences and the global technology. We seek to develop not only future introspective practitioners, but also critical thinkers who will eventually be in significant leadership positions in the profession. Our students/future graduates believe that it is extremely important to be intellectually prepared to address issues of national and international importance in a meaningful and responsible manner. With modern technological advancements

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### **EXIT SURVEY** order to help the Program maintain and develop the quality of the undergraduate educational exp portant to have information from those of you who have most recently participated in the process. We est that you spend some time and respond with the requested information. Each form also has his Edt Survey requests information that is important for the accreditation process associated with each of our Excellent Very Good At this point in your education, how do you feel your ability o: apply knowledge of mathematics, science and engineering Design and experiment, as well as to analyze and interpret data identify, formulate and create problem solving approaches. Communicate effectively. tave the broad education necessary to understand the impact of Engineering-Architecture solutions in a global and social context Recognize the need for and an ability to encage in life-long Use the techniques, skills and modern Engineering-Architecture tools necessary for Architecture Engineering practice. In your opinion, studying in another campus, would have bee better for you through your academic years? In case you already graduated Are you redistered in M.Sc. Program? If yes, where? which 14 Where are you working now? Type of work you're currently doing? low long did it take you to obtain your first job after graduation?

□AET-Alumni Survey

Data Collection Sheet

□AET-List of Graduates
Grades/ Status/ Statistics

# **STUDENTS WORK**

**ARCN 104: Architectural Design Skills** 









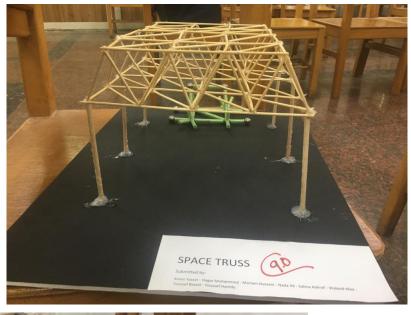




# Building Technology & Systems - INTN127 Spring 2019









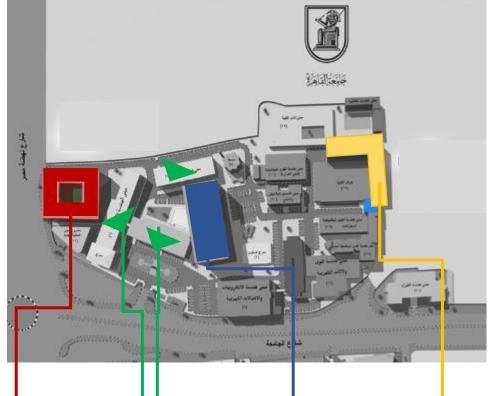


# PHYSICAL RESOURCES

# **FACILITIES**



COMPUTER LABS



Study Programme BSc
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**ARCH LIBRARY** 

CHS BLDG OTHERS:

**ARCH BLDG** 

**ACTIVITIES BLDG** 

**CIVIL & ADMIN** 





MODEL MAKING WORKSHOP









TO CREATE ULTIMATE

Visitane unit et provincia y median coloni financia, colonia unite visita propi invenera y mediante, presi visita unitari presidente, un terminan colonia, e en estra elega y aprelioramente terrar elega ambie e en al un terrariora en colonia. El el Cullera elega el terrariora en terrariora.

# STUDIOS IN 20000/CHS BLDG.

### **SOPHOMORE STUDIO**



### **SENIOR 1 STUDIO**



### **JUNIOR STUDIO**



فسم الهندسة المعمارية DEPARIMENT OF ARCHITECTURE

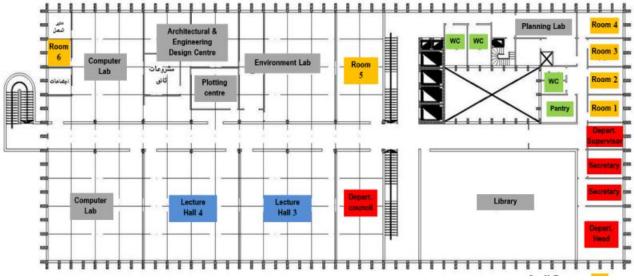
**SENIOR 2 STUDIO** 



# LIBRARY & COMPUTER LABS ARCH. BUILD. 5<sup>TH</sup> FLOOR











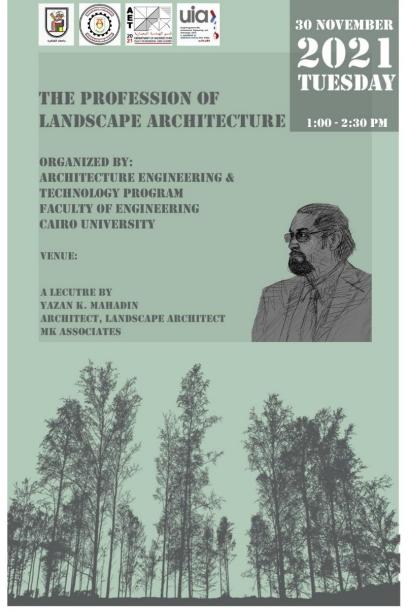




# **ACTIVITIES**

# EXTRA CURRICULAR ACTIVITIES GUEST LECTURES







is revalidated by
UNESCO-UIA for FIVE YEARS

## **EXTRA CURRICULAR ACTIVITIES**

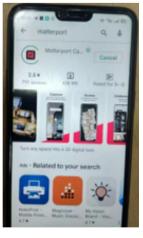
### **GUEST LECTURES & FIELD TRIPS**

























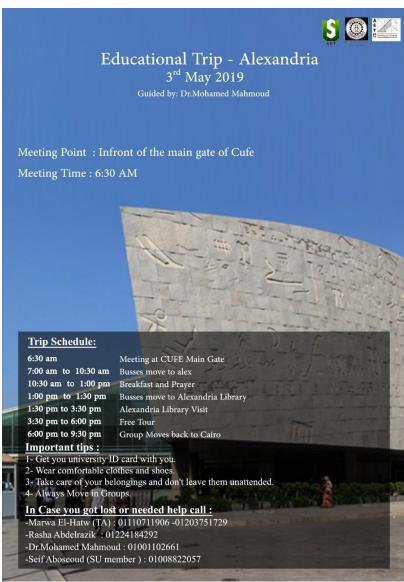


## **EXTRA CURRICULAR ACTIVITIES**

SITE VISITS

**AET EXCRUSIONS – Exploring Egypt, 2018-2019** 







## **AET NEWSLETTER 2020**



Technology (AET) UNESCO-UIA for FIVE YEARS









#### **Academic Procedures:**

- Academic Calendar | P2
- Teaching Staff | P2 ■ Academic Schedules | P4
- AET New Course Map | Pd
- UIA Revalidation | P7
- Public Lectures | P12
- Extracurricular
- Activities | P14
- Message to graduates

VALIDATED ■ Academic Develop. | P9 ■ AET Sc. Conference | P12

UIA

AFT an established architectural program nat was initiated thirteen years ago under the name of Faculty of Engineering, Cairo University; & led by a hard working team of staff members & teaching assistants. Nine than 10 AETians of our best students were assigned as full-time teaching assistants in the

The main driver for our program is to provide AET along the academic year 2019/2020. In March 2016, AET has received the UNESCO/ IVCAEL In October 2019, we received a reflected the outcome of our hard work and striving for the best.

Newsletter Issue 9

### Coordination

### Prof. Heba Allah Khalii

Dr Sherin Gammaz

Dr. Tamer ElSerafi

Prof. Mohamed Anwer

Assoc. Prof. Ahmed Mostafa Dr. Rania Ibrahim

Ass. Lec. Omar Shafik Ass. Lec. Regwan ElRefaie

TA. Reem Mostafa TA. Fady Philip

TA. Mariam Mahdally TA. Salma ElBahy

TA. Caroline Raouf TA. Nervana Hesham AET Fall 2019 Spring 2020

### UNESCO/UIA Revalidation

The devoted AET co-ordination team & students collaborated in the preparation of the UIA revalidation visit. The much anticiapted visit included several separate meetings, with the dean, the students, the staff, and some of the AET's past external examiners. Other sections of the visit involved an exhibition of the students academic work, AET program presentations, and two dinners; one with the staff and another with the staff and students. All the hard efforts yielded in the unconditional re-validation of the AET program for 5 years (2019-2024).

Special thanks to our AET co-ordinator Dr Heba Khalil and the co-ordination team and students for making it happen!

### Meetings















Vernacular

AN introduction to the vernacular



## **AET NEWSLETTER 2021**





Technology (AET) is revalidated by UNESCO-UIA for FIVE YEARS











#### **Academic Procedures:**

- Academic Calendar I P2
- Teaching Staff | P2 ■ Academic Schedules | P4
- AET New Course Map | P6
- NAQAEE
- Accreditation | P7 ■ UIA Action Plan | P8
- Academic Develop. | P9
- AET Sc. Conference | P13
- AET International Activities | P14

Coordination Team Prof. Heba Allah Khalil Assoc. Prof. Sherin Gammaz Dr. Tamer ElSerafi Prof. Mohamed Anwer Assoc. Prof. Ahmed Mostafa Assoc. Prof. Rania Ibrahim Ass. Lec. Omar Shafik Ass. Lec. Regwan ElRefaie TA. Reem Mostafa TA. Fady Philip TA. Mariam Mahdally TA. Salma ElBahy TA. Caroline Raouf TA. Nervana Hisham

- Message to graduates
- of 2021 | P17 ■ Upcoming events | P18

**News** etter

hat was initiated fourteen years ago under bers & teaching assistants. Ten classes

our students with the best educational service that they deserve. We present the tenth glimpses of AET along the academic year 2020/2021. In March 2016, AET has received three vears by the UIA Council for Architectural Education [VCAE], In October 2019, we received a revalidation visit which was

This academic year has proved to be very challenging with the continuation of the

Issue 10

QAAE Accreditation 2021

AET program has been nationally accredited by NQAAE dated 21 June 2021 as the program complied the laws set by the authority regarding the quality of education and local accreditation. The visit was from the 17th to the 19th of December 2019. During the visit, meetings were held with the students, alumni, professors and stakeholders.

Special thanks to our AET co-ordinator Prof. Heba Khalil and the co-ordination team and students for making it happen!

Meeting with the professors



AET International Activities

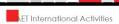
UrbanFarm 2021 International Student Competition

First Prize "Agrivolution"

The location for this project was Napoli, Italy - Trois Park where learns targeted redesigning the exiting structures and the sumunding spaces, with the aim of creating a system that, by producing flood, would be able to improve the isocio-economic condition of young people and families living in the area, at the same time, create awareness over a corect and healthy flood culture.







HOME KIT International Competition









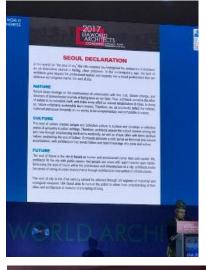


# **CUFE- CONTRIBUTION IN UIA CONGRESS SEOUL 2017**

The state of the s

TWO Staff
Members
representing
CUFE & the
Architectural
Programs











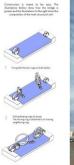
## **INTERNATIONAL PARTICIPATION**

1st PLACE WINNER PROJECT IN DUBLIN FLOATING CONTEMPORARY FOOTBRIDGE COMPETITION, ORGANIZED BY AC-CA

Team Members: Amr T. Auf- Mohamed M.

Hammad- Ziad A. Zaki











AET AT UIA EVENT, BAKU, JUNE 2019 AHMAD TAREK





# **AET ANNUAL EXHIBITIONS**





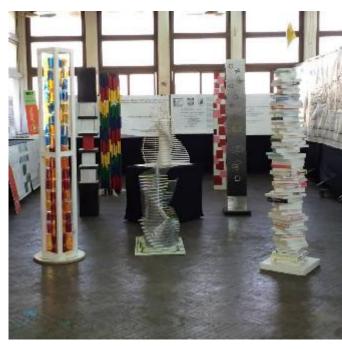
Technology (AET)







### **EXHIBITION**





### **GRADUATE ENHANCEMENT**

















### 5th MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019

Architectural Engineering and Technology (AET) programme Students with Dr. Rainer Hinrichs-Rahlwes, Vice President of German Federation of Renewable Energy: Prof. Dr. Fernando Recalde, Chairman of MGF-5 Int'l Student Competition and Prof Dr. Aboulnaga at DIDA School of Architecture - UNIFI, Florence, Italy



























5th MEDITERRANEAN GREEN BUILDINGS & RENEWABLE ENERGY FORUM 2019





# **SOCIAL EVENTS**













# **IFTAR SPRING 22**











# **COORDINATION TEAM- ACADEMIC YEAR Since August 2018**





# AET SENIOR COORDINATOR PROF. HEBA ESSAM KHALIL

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**AET COORDINATOR 3 Dr. Tamer Elserafi** 

tamerelserafi@gmail.com,

**AET IT COORDINATOR Prof. Mohamed Anwar** 

fagrofmaz@yahoo.com,

**AET GP COORDINATOR Prof. Ingy Elbarmalgy** 

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