



Egypt-Japan University of Science and Technology
الجامعة المصرية اليابانية للعلوم و التكنولوجيا
エジプト日本科学技術大学

SUSTAINABLE ENGINEERING

YOUR JOURNEY
STARTS HERE →





WELCOME TO OUR FACULTY

- 00 MEET YOUR INSTRUCTORS
- 01 ABOUT SARCH
- 02 THE LEARNING PROCESS
- 03 FUTURE CAREER OPPORTUNITIES
- 04 ASK SARCH!



**GO MEET YOUR
INSTRUCTORS**

MEET YOUR INSTRUCTORS



**Prof. Hatem
Mahmoud**

**Head of
Department**



**Assoc. Prof.
Ehab Elwageeh**



Dr. Aya Essa



**Dr. Pakinam
Hassan**

01 ABOUT SARCH





IMPORTANT QUESTIONS

- Is it ENGINEERING?
- ***SUSTAINABLE*** Architecture?
- Why is SARCH Different?
- 9 semesters?
- Why Specialize from 1st semester?

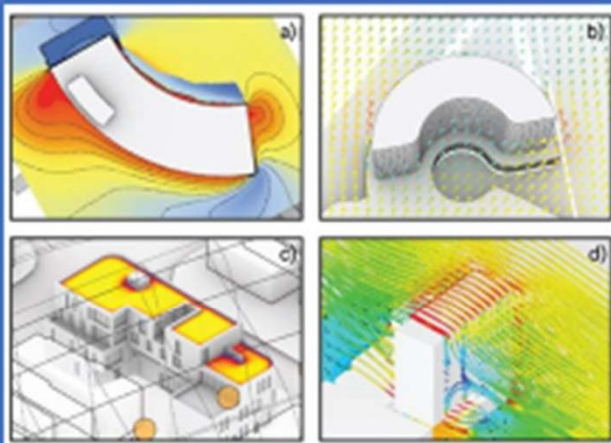


Traditional Architecture



ARC 328 heating and cooling in buildings

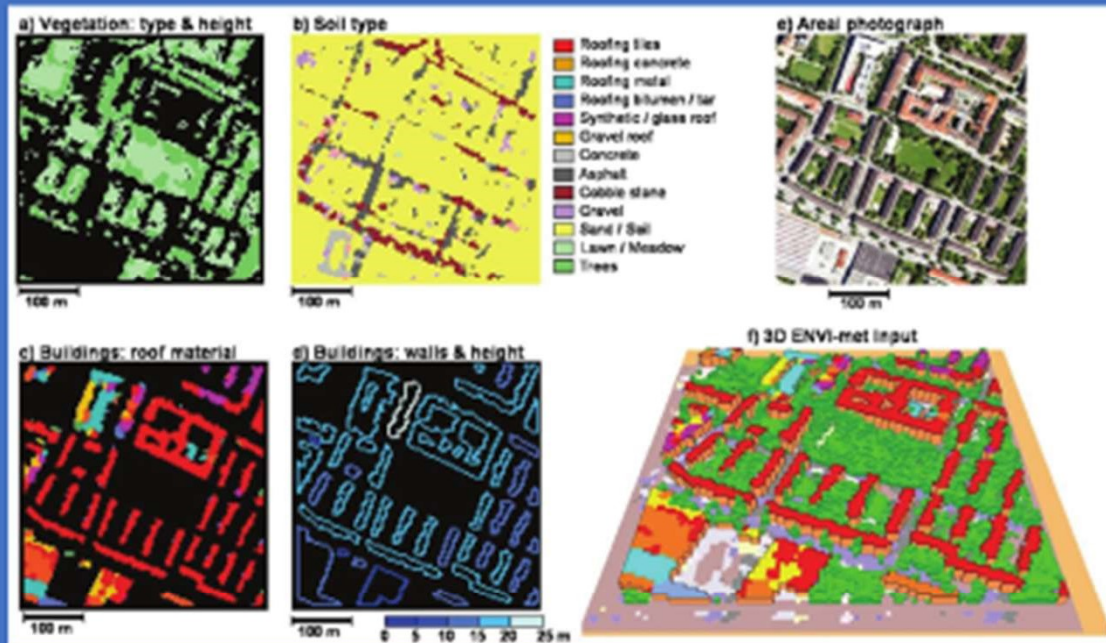
ARC 429 Fundamentals of air quality



ARC 314 Building Energy Modeling

ARC 435 Environmental Impact Assessment

ARC 327 Design for Renewable Energy



ARC 425 Sustainable Urban Design and planning

Sustainable Architecture

Green Materials and Thermal tests







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The sustainability of EJUST Campus

HATEM MAHMOUD



Congratulations! Your course has been approved by GBCI.

Your course, The Sustainability of E-JUST Campus, has been reviewed and approved by GBCI for 1.0 CE Hour(s) for the following specialties LEED AP ND.

The GBCI course ID for this course is (0920026973). All courses are valid for three years from the date of approval except for Conference sessions. Approved Conference sessions are valid for the specified event. We encourage you to publicize your course!



GBCI is the premier organization for independently recognizing excellence in green business industry performance and practice globally, through third party verification services for certification and credentialing.

Latest news



**Editorial: Canada's leadership
in the efficient building retrofit
market**



**India Emerges as a Global
Leader in LEED Zero Projects**
Jun. 14, 2023



**GBCI Europe Announces New
LEED Tools to Help LEED
Projects Assess...**

02 THE LEARNING PROCESS





SARCH: THE LEARNING PROCESS



KNOWLEDGE



SKILLS



E J U S T

SARCH THE LEARNING PROCESS

※ History & Theories of Architecture

※ History & Theories of Urban Design

※ Building Structures, Systems, etc.

Urban Design

Design Studios

Grad. Project

Execution & Building Technology

※ Model Making

※ Computer Modeling

※ Technical Drawings

※ Energy Modeling & Simulation

※ Manual Renders

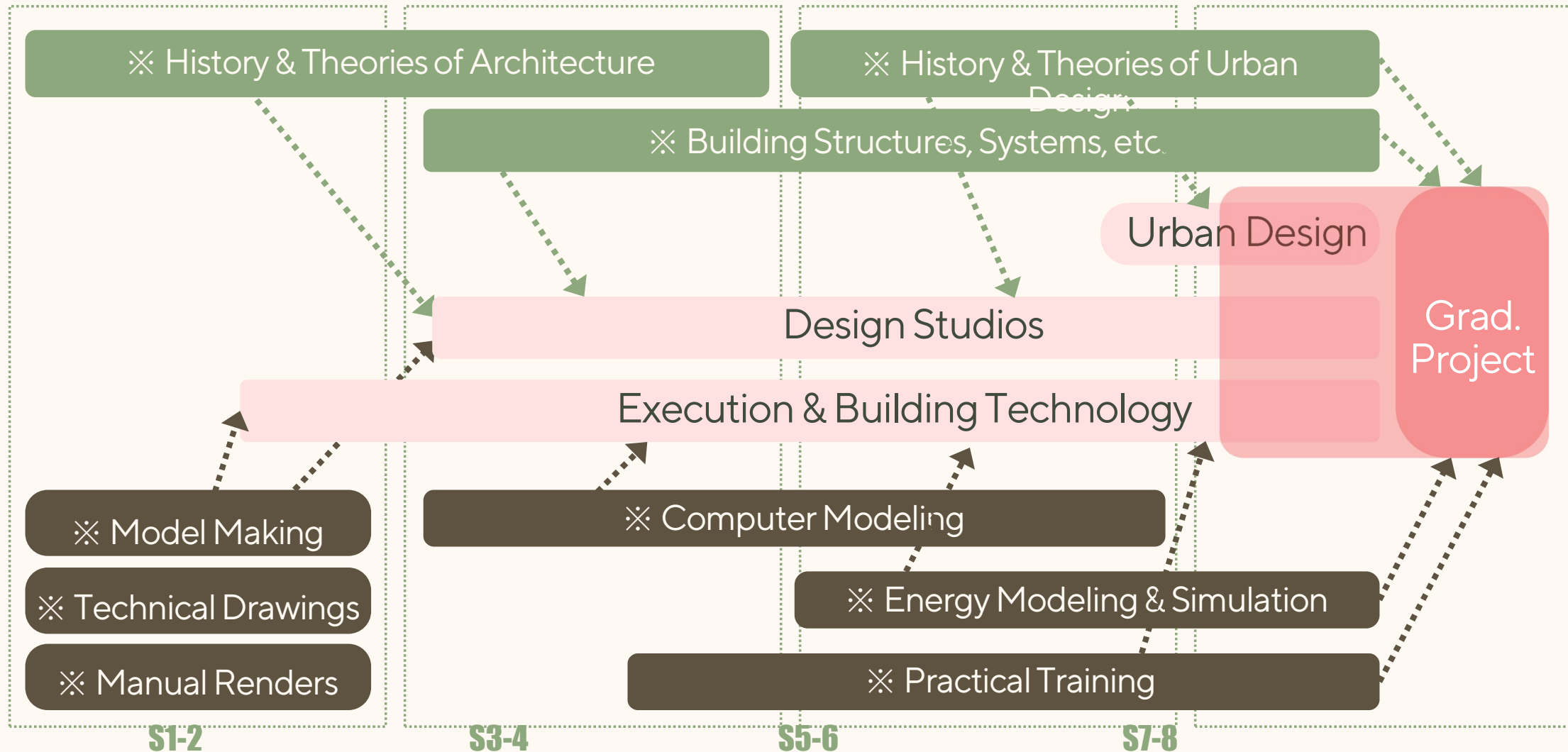
※ Practical Training

S1-2

S3-4

S5-6

S7-8

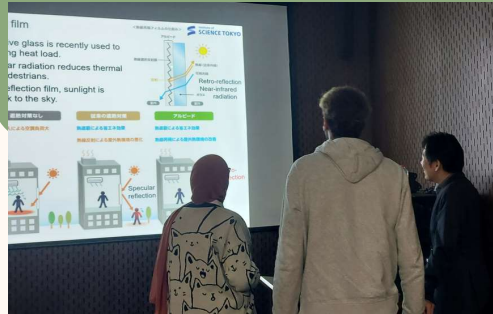


HOW DO WE LEARN

LECTURES



SEMINARS



TUTORIALS PROJECT



FIELD VISITS



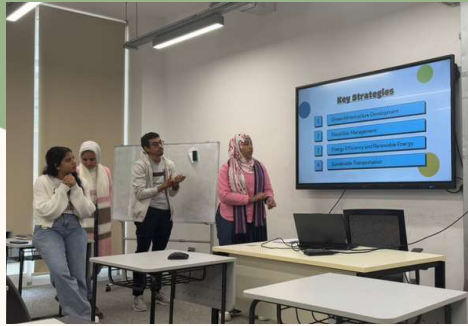
 E J U S T SEARCH THE LEARNING PROCESS

HOW DO WE LEARN

JURY EXAMS



SELF-LEARNING



TRAININGS

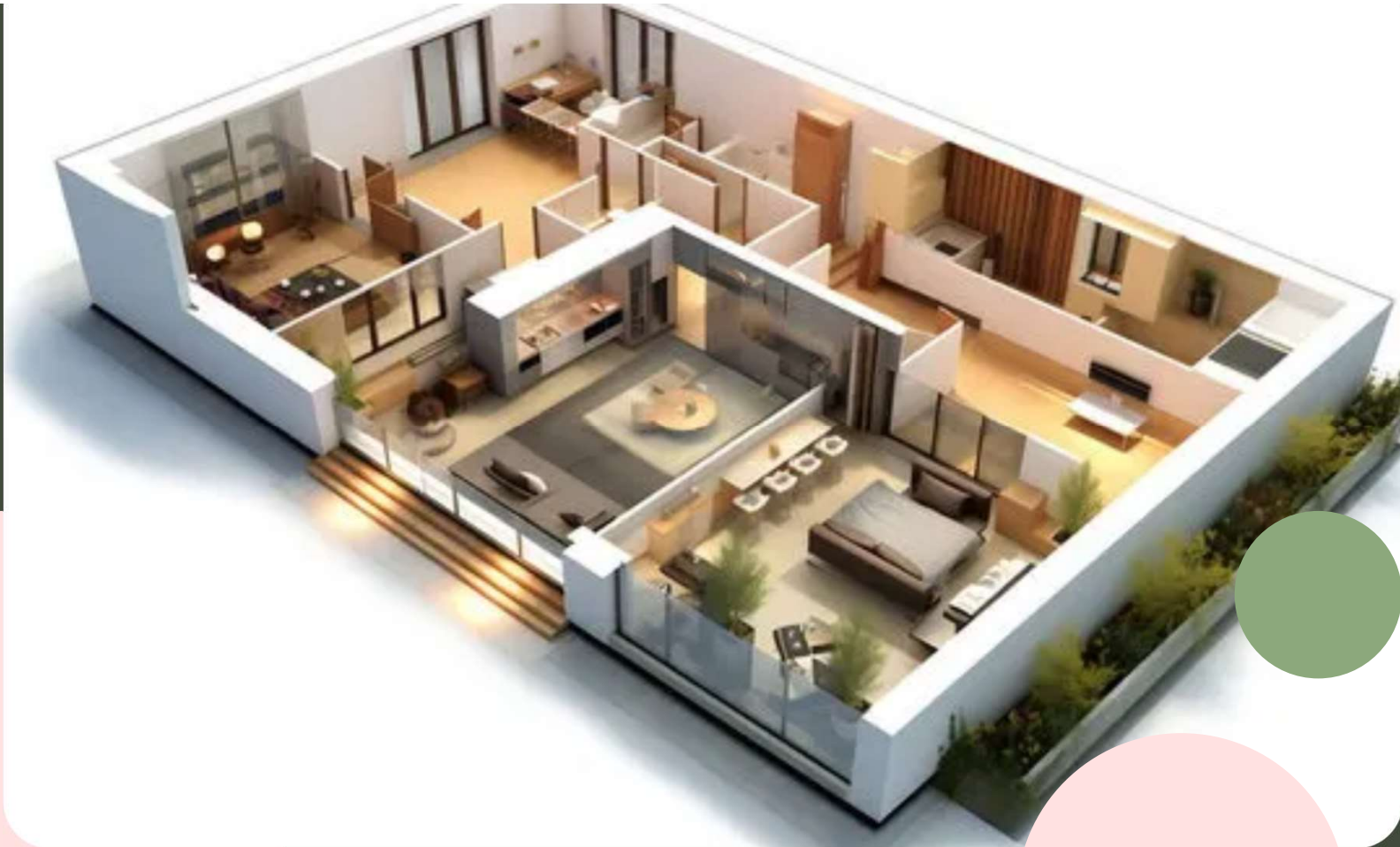


WORKSHOPS



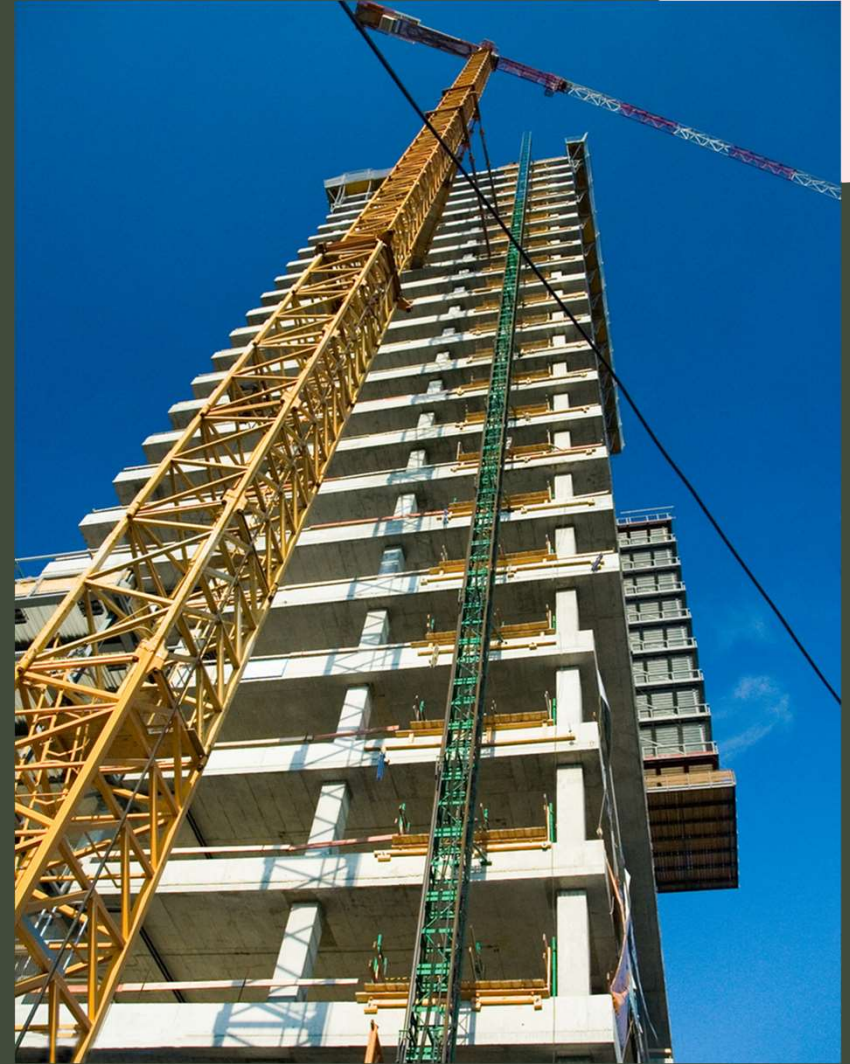
ARCHITECTURE DESIGN

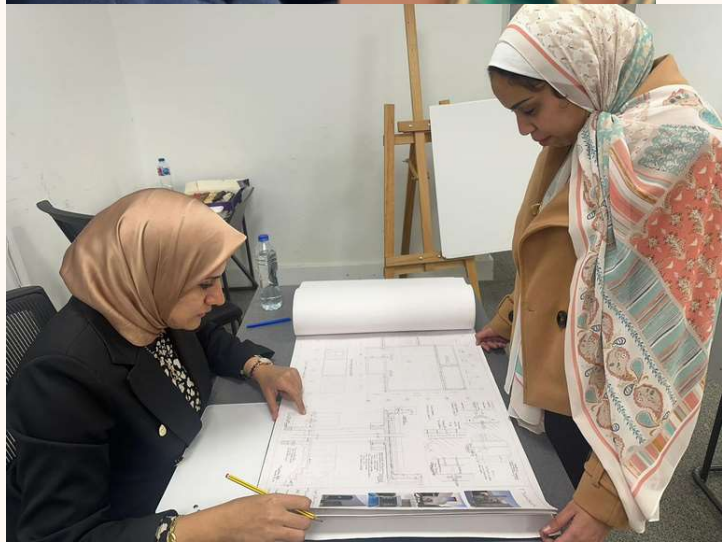
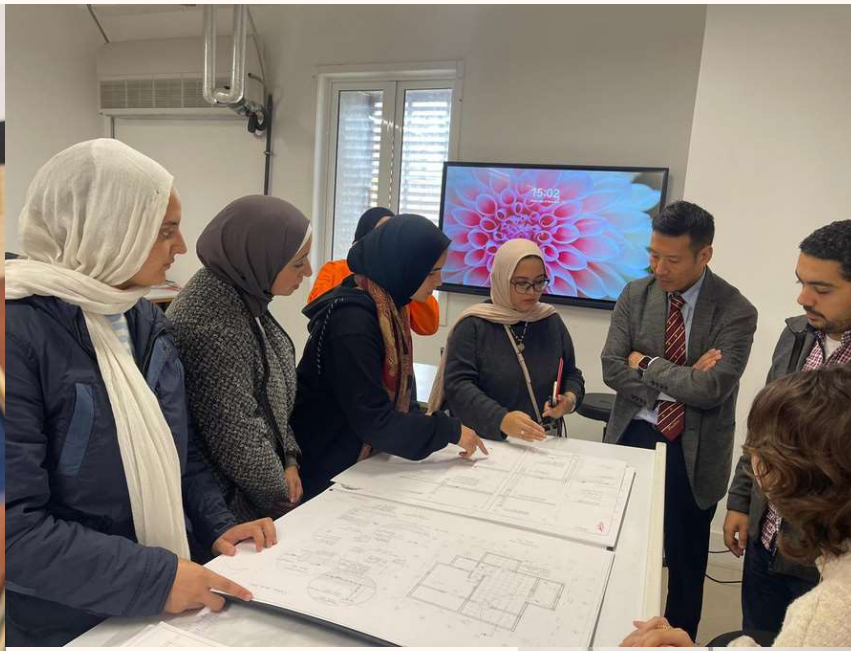
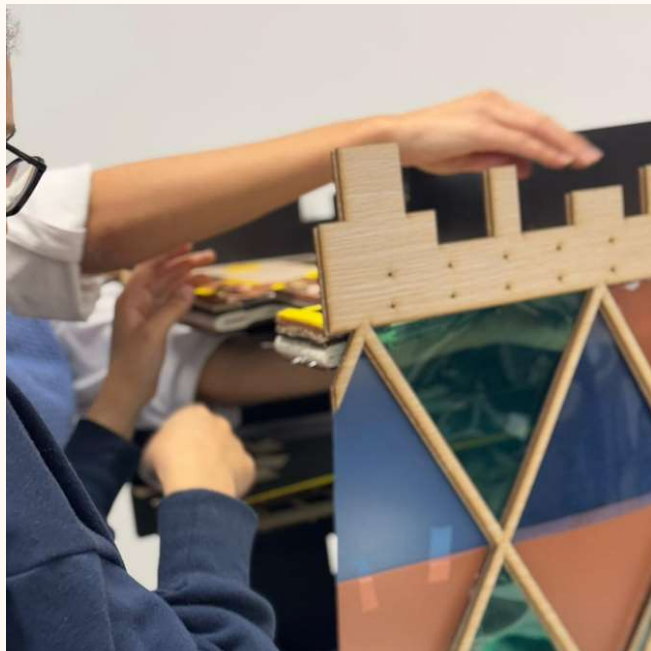
Designing Building
Spaces functions
Connection between
different spaces
Spaces size
Materials
Colors
View
Furniture Arrangement
Structure System



EXECUTION & BUILDING TECHNOLOGY

As your studies progress, we will guide you through the execution and building of technology courses that bring your ideas to life. You'll gain essential knowledge in construction methods, structural systems, and building materials to turn your concepts into real, buildable projects. Our goal is to prepare you not just as designers, but as architects who understand how buildings truly come together.





URBAN DESIGN & PLANNING

Beyond designing individual buildings, you will also learn how cities and communities are shaped through our urban design and urban planning courses. These subjects will teach you how to think on a larger scale, considering streets, public spaces, infrastructure, and how people interact with their environment. You'll explore how to create livable, sustainable, and well-organised urban areas that respond to social, environmental, and economic needs. Our goal is to help you become architects who not only design buildings but also help shape better cities for the future.





03 CAREER OPORTUNITIES

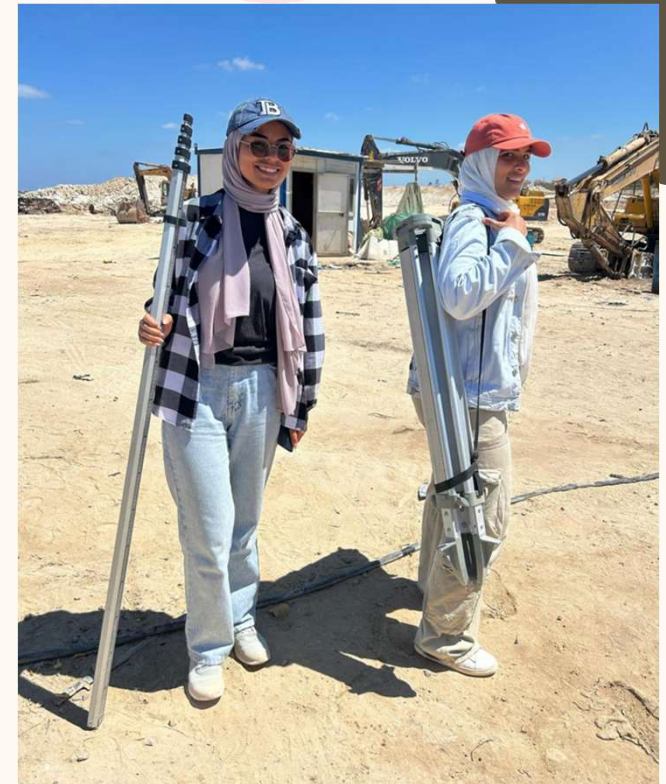
YOU CAN WORK

**AT PRESTIGIOUS
COMPANIES**

- **DESIGN OFFICE**
- **SITE SUPERVISION**
- **SHOP DRAWINGS**
- **ENVIRONMENTAL ASSESSMENT**
- **URBAN DESIGN**

- **ALFORAT**
- **TATWEER**
- **MISR**
- **PALM HILLS**

**IN
VARIOUS
FIELDS**



04 ASK SARCH!



**JOIN US IN
OPEN CAMPUS EVENT
& EXPLORE**

**Sustainable Architecture
Program**

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16448



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