



18 August 2024

The 5<sup>th</sup> Egyptian Junior  
Researcher Competition  
Competition Guidebook



# The 5<sup>th</sup> Egyptian Junior Researcher Competition

## 18<sup>TH</sup> UGRF: SPECIAL EDITION



The Undergraduate Research Forum (UGRF) is a flagship event of Nile University which has been going successfully for 8 years. Nile University organizes the UGRF every semester and it aims at encouraging the undergraduate students to put their course projects into practical outcome. Students present their projects in the form of 2 pages summary, posters, videos, prototypes & applications. They get judged & evaluated by jury panel of university professors and senior researchers. Winners get recognized and receive Awards.

**The 5<sup>th</sup> Egyptian Junior Researcher Competition** is the national special edition of the Undergraduate Research Forum (UGRF) proudly organized by Nile University to extend the invitation – for the 5<sup>th</sup> year in a row - to all Egyptian undergraduate junior research talents.  
Attractive AWARDS! Cash prizes, and other in-kind awards.

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION

## Eligibility



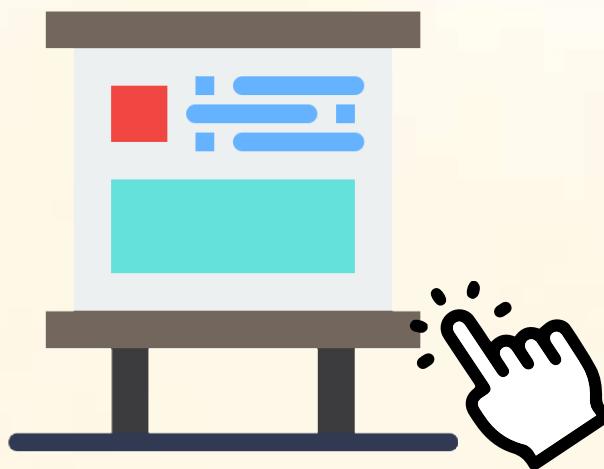
1-8  
Team Members



3-4 Minutes  
Demonstration Video



Two Pages  
Illustration Summary



Scientific Poster  
(A0 Poster with the header template)



Presentation  
(PowerPoint or any other mean)

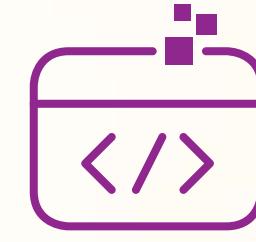
# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION

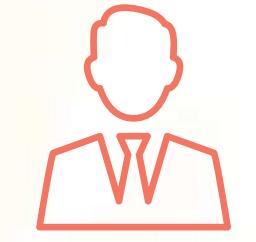
## Awards



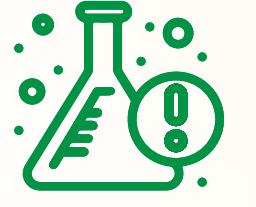
Engineering and Applied Sciences



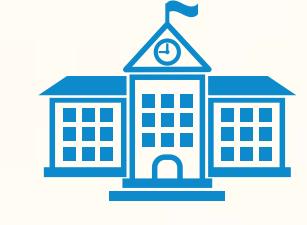
Information Technology and Computer Science



Business Administration



Biotechnology



School Students



Graduation Projects



Accessibility Challenges

15K EGP Awards for each track,  
18K for Graduation Projects and Disabilities Support

IN TOTAL OF

111,000 EGP



5K-6K EGP



7K-8K EGP



UP TO 4K EGP

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

## 18<sup>TH</sup> UGRF: SPECIAL EDITION



### Timeline



July 28<sup>th</sup>  
Submission Deadline

August 12<sup>nd</sup>  
Notification of Acceptance



August 18<sup>th</sup>  
18<sup>th</sup> UGRF Day

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION

## Competition Tracks

### Sustainable Development Goals (SDGs)

The Sustainable Development Goals (SDGs) aim to transform our world. They are a call to action to end poverty and inequality, protect the planet, and ensure that all people enjoy health, justice and prosperity.

Make sure your project serves them!



# The 5<sup>th</sup> Egyptian Junior Researcher Competition

## 18<sup>TH</sup> UGRF: SPECIAL EDITION



### Competition Tracks

#### Track 1:



ENGINEERING &  
APPLIED SCIENCES

#### Keywords

- Civil and Architecture Engineering.
- Electronics, Communication and Computer Engineering.
- Industrial, Mechatronics and Mechanical Engineering.

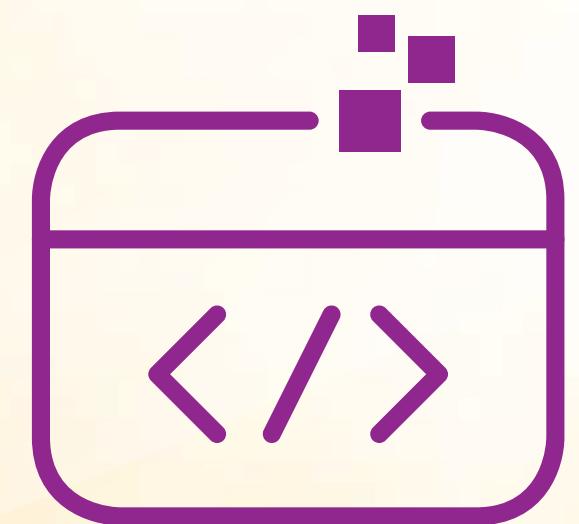
# The 5<sup>th</sup> Egyptian Junior Researcher Competition

## 18<sup>TH</sup> UGRF: SPECIAL EDITION



### Competition Tracks

#### Track 2:



INFORMATION TECHNOLOGY  
& COMPUTER SCIENCE

#### Keywords

- Data Science.
- Artificial Intelligence & Machine Learning.
- Biomedical Informatics.

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION



## Competition Tracks

### Track 3:



BUSINESS  
ADMINISTRATION

### Keywords

- General Business & Finance.
- Entrepreneurship & Small Business Management.
- Integrated Marketing Communication.
- Operation & Supply Chain Management.
- Management of Information Technology.

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION

## Competition Tracks

### Track 4:



BIOTECHNOLOGY

### Keywords

- Industrial Biotechnology.
- Environmental Biotechnology.
- Medical Biotechnology.
- Computational Biotechnology.
- Marine Biotechnology.
- Nanotechnology.
- Agriculture & Food Biotechnology.

## Competition Tracks

### Track 5:



SCHOOL  
STUDENTS

### Keywords

- General Projects.

### Track 6:



GRADUATION  
PROJECTS

### Keywords

- Graduation Projects in Engineering,  
Computer Science for Senior year Students.  
(Spring 2022 - Spring 2024)

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

## 18<sup>TH</sup> UGRF: SPECIAL EDITION



### Competition Tracks

#### Track 7:



ACCESSIBILITY  
CHALLENGES

#### Keywords

- Assistive Technologies & Devices
- Smart Prosthetics & Rehabilitation Robotics
- Digital Health Accessibility & Wearable Monitoring
- Inclusive Technologies for Education & Urban Design
- Adaptive Interfaces & Sensory Enhancement
- Psychosocial Interventions & Community Integration

**The 5<sup>th</sup> Egyptian Junior  
Researcher Competition**

**18<sup>TH</sup> UGRF: SPECIAL EDITION**



## Success of Previous Years

Egyptian Junior Researcher Competition  
(2020, 2021, 2022 & 2023)

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION



2020



1600+  
STUDENTS



500+  
PROJECTS



35  
UNIVERSITIES



76  
SCHOOLS



19  
GOVERNORATES

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION



2021



1400+  
Students



460+  
Projects



36  
Universities



62  
Secondary Schools



50  
Egyptian Cities



23  
Gouvernerates

Including All STEM Schools In EGYPT

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION



2022



2000+  
STUDENTS



600+  
PROJECTS



45  
UNIVERSITIES



100  
SCHOOLS



22  
GOVERNORATES

# The 5<sup>th</sup> Egyptian Junior Researcher Competition

18<sup>TH</sup> UGRF: SPECIAL EDITION



2023



**665**  
PROJECTS



**60**  
UNIVERSITIES



**100+**  
SECONDARY SCHOOLS  
INCLUDING **20** STEM SCHOOLS



**120**  
EGYPTIAN CITIES



**25**  
GOVERNORATES

The 5<sup>th</sup> Egyptian Junior  
Researcher Competition  
**18<sup>TH</sup> UGRF: SPECIAL EDITION**



# Register Now

[Registration Link](#)

**AWARDS ARE AWAITING YOU!**

Apply Before 28 July 2024