



Faculty of Engineering  
**Junior Faculty Research Grant**

Call 1

**Scope:**

The designed grant aims to guide young researchers to take their first step on their research field. The scope of research initiatives for young researchers typically includes several key components: **Project Implementation:** Young researchers are expected to design and implement their own research projects. This involves developing a research proposal, conducting experiments or studies, and analyzing data. **Focus Areas:** The research topics can vary widely but are usually aligned with the goals for Egypt Vision 2030 and SDGs. **Funding and Resources:** The initiatives provide financial support and access to necessary resources, such as laboratory equipment, software, Chemical kits, Miscellaneous Supplies and publication cost. These components are designed to help young researchers to build a strong foundation for their future research careers.

**Objective & Actions:**

The initiative is a support program for funding outstanding early and mid-career faculties helping them pursuing their research work in a merely coherent research environment. The grant would offer support to researchers through **Junior Faculty Research Grant**. This action would offer support of up to **400.000 LE/ project** to outstanding applicable research ideas with direct added value to the industry and/ or community. The applicant should have a research plan that is within **24 months**.

**Eligibility conditions:**

- All applicants should be a junior staff affiliated to **Faculty of Engineering, Alexandria University**.
- The call is available for **Assistant professor** (a doctorate degree holder) or **Assistant lecturer** (enrolled in a doctorate degree) or **Demonstrator** (enrolled in a master's degree).
- PI (a doctorate degree holder) can select a project team from AU faculties and their assistants. Undergraduates are encouraged to be involved in team. Team members from other faculties, universities, institutions, companies, and independents can join the

- research teams according to their capacities and designed roles in the submitted proposals.
- The total estimated budget **shouldn't exceed** the amount defined in the section of "objectives & actions" and the defined timeframe would be respected.
  - All submitted proposals should be restricted to the general objective of the initiative, concomitant **with SDGs 2030** and help in finding **scientific solutions to national and global challenges**.
  - **2 Recommendation letters** are required from the supervisors or senior professors.
  - **Registered research plan** is required approved by the university.
  - Proposals should be written on the included **application form** and submitted **with all annexes as one PDF file**.
  - Proposals **must not be submitted to any other funding organization** until a final decision is taken.

### Fields of research

*Artificial intelligence*  
*Cyber security*  
*Internet of things*  
*Intelligent systems\_ Smart Buildings (housing)*  
*Big data*  
*ICT*  
*Water resources management*  
*Drainage networks and addressing the problem of rain*  
*New and renewable energy*  
*Smart roads and transportation*  
*Nanotechnology*  
*Material science*  
*Urban Planning*  
*Textiles*  
*Space and Remote Sensing*  
*Electronics*

### Preference:

- Inter- and multi-disciplinary research are highly encouraged through this program.
- Research with prototype/ patient outcomes are encouraged.
- Priority will be given to applicants who haven't received any funds from the university in the past two years

### Project duration:

The maximum project duration is **24 months**.

### **Funding:**

The total fund shouldn't exceed **400.000 LE/ project**.

### **Eligible cost:**

- 1- Consumables, laboratory materials, chemicals, small devices, and any other costs that have direct impact on the research project.
- 2- Lab analysis.
- 3- Publication cost.

**Incentives, staff cost, cost of travel and local transportation are not allowed.**

### **Funding procedure:**

| Amount | Time  |
|--------|---|
| 30%    | Pre-finance at the project start date                                 |
| 30%    | After approval of the 1 <sup>st</sup> technical and financial reports |
| 30%    | After approval of the 2 <sup>nd</sup> technical and financial reports |
| 10%    | After approval of the 3 <sup>rd</sup> technical and financial reports |

### **Monitoring:**

All funded projects have to submit 3 periodic technical and financial reports/ 6 months and final report at the end of the project.

Approval of the submitted reports is mandatory for subsequent settlement of funds.

### **Timeline:**

**Opening of the call: 1-7-2025**

**Info session and One-day training about writing the grant proposal 13-7-2025**

**Deadline for application: 1-9-2025**

**Final selection : 1 - 1 1 - 2 0 2 5**

### **Submission:**

The submission of research proposals and online forms will be available on website:

**[www.tico.alexu.edu.eg](http://www.tico.alexu.edu.eg)**

### **Selection:**

The selection of the winning proposals will be on competitive basis considering the items mentioned above in eligibility section.

After technical and scientific approval, primary selected projects will be invited for a personal meeting to present their projects.