Research Centre with a specific focus on environmental sustainability

<u>At Air University</u>

Driving Innovations through Research: Air University Business Incubation Centre

Introduction: The Air University Business Incubation Centre for Research is a cuttingedge initiative designed to propel groundbreaking research projects, foster innovation, and drive technological advancements. Located within the esteemed Air University, our incubation centre brings together top-notch researchers, visionary minds, and industry experts to collaborate on transformative projects that have a positive impact on society and industry.

Our Mission: At the Air University Business Incubation Centre for Research, our mission is to create an ecosystem that encourages interdisciplinary research, supports aspiring researchers, and facilitates the commercialization of innovative technologies. We aim to bridge the gap between academia and industry, driving research-driven solutions that address real-world challenges.

Why Choose Us?

Interdisciplinary Collaboration: Our incubation centre promotes cross-disciplinary collaboration, allowing researchers from diverse fields to come together and leverage their expertise to tackle complex problems.

Research-Driven Innovation: We focus on nurturing research ideas that have the potential to bring disruptive innovations to the market, creating a culture of research-driven entrepreneurship.

Access to State-of-the-Art Facilities: Our incubation centre provides access to advanced research facilities, laboratories, and resources that support researchers in conducting cutting-edge experiments and studies.

Mentorship from Leading Researchers: Benefit from mentorship and guidance from accomplished researchers and industry leaders who can offer valuable insights and direction.

Industry Partnerships: Forge strategic partnerships with industry players, allowing researchers to gain practical insights and explore opportunities for technology commercialization.

Funding Support: Eligible research projects can access funding opportunities through grants, partnerships, and collaboration with industry sponsors.

Our Services:

Research Incubation Programs: Our incubation programs support researchers at various stages of their projects, offering guidance, resources, and networking opportunities to take their research to the next level.

Technology Commercialization Support: We assist researchers in commercializing their research outcomes, providing guidance on intellectual property, licensing, and market validation.

Entrepreneurship Workshops: Enhance your research with entrepreneurial skills through specialized workshops, training sessions, and seminars conducted by experienced entrepreneurs.

Industry Connect: Engage with industry experts and potential collaborators through networking events, conferences, and symposiums held at the incubation centre.

Publication and Dissemination Support: Facilitate the publication and dissemination of research findings in reputed journals, conferences, and industry platforms.

Siber koza

- By establishing instructive and useful surroundings, Siber Koza has implemented the Siber Koza Innovation Centres project to help young people develop ideas for projects that can result in solutions to global concerns.
- Siber Koza and Air University Islamabad have partnered to improve the training of key participants and the research process for sustainable projects. The platforms will give younger generation's access to Turkey's and Pakistan's ecological system. In innovation centres, both university students and volunteers are welcome to participate in and work on the assigned projects.





Air University Research Journals AU ORIC

AU Office of Research, Innovation & Commercialization (ORIC) was established at Air University, Islamabad in January 2011 and were registered in August 2013.

Air University aspires to be among the leading national universities, excelling in teaching, learning, research, innovation and public service", AUORIC is striving to bridge the gap amongst AU research groups, HEC and other research funding organizations at national and international level.

Invest in Knowledge with Research

Different platforms of the Journals have been introduced by Air University to enable the various departments to conduct quality research within their respective specialties.









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Research Funding Opportunities

Setting Trends through Research

In order to facilitate our students and faculty in hunting for the best research grant opportunities particular to their expertise, here is a comprehensive list categorized separately under the heads of National and International opportunities for your convenience.

National Research Opportunities

- National Research Programme for Universities (HEC-NRPU)
- <u>Technology Development Fund(HEC-TDF)</u>
- Grand Challenge Fund (HEC)
- Local Challenge Fund (HEC)
- Start-Up Research Grant Program (HECSRGP)
- <u>Social Integration Outreach Program(HEC-SIOP)National Engineering And Scientific</u> <u>Commission (NESCOM)</u>

International Research Opportunities

- <u>United Nation's Global Climate Action Award</u>
- Fonds Eenest Solvay
- British Council Free Online Courses 2020
- Indigenous PH.D. Fellowship Program
- U.S. Department of Agriculture
- U.S. Department of State
- Common Fund for Commodities (CFC)
- <u>National Geographic Society and Microsoft's AI for</u> <u>Earth program</u>
- Cipher Grant Programme
- <u>AHRC Global Challenges Research Fund (GCRF)</u> <u>Urgency Grants Pilot</u>

• Emerald Interdisciplinary Research Fund

Accelerate Growth through Research

Our funding agencies such as HEC-TDF, HEC-NRPU, HEC-SRGP, PAF, PAC Kamra, NESCOM, IGNITE, International (UNICEF), US Embassy, USDA, NSF, US Science Foundation, UK,CANADA Embassies and more

Unlock Your Mind through Research

Computer Labs

- Local Area Network (LAN)
- Internet Facility
- Hotspots
- Language Laboratory

Research Labs

- Sensors & Systems Laboratory
- Analog and Digital Communication Laboratory
- Avionics Integration Laboratory
- Communication Security and Embedded Systems Laboratory
- CNC Machine and Robotics Laboratory
- Control Engineering Laboratory
- Digital Electronics Laboratory
- Digital Signal Processing Laboratory
- ECM and RADAR Laboratory
- Electro-optics Laboratory
- Electronics Systems Laboratory Embedded Systems Laboratory
- Fluid Mechanics Laboratory
- Heat and Mass Transfer Laboratory
- Industrial Automation Laboratory
- Lego Mindstroms Advanced Mechatronics Laboratory
- Machine Design Laboratory
- Mechanics of Material Laboratory
- Mechanical Workshop
- Power Electronics and Electrical Machines Laboratory
- RF and Optical Communication Laboratory
- Thermodynamics Laboratory

• The Projects laboratory



Research Funding

Sustainability Research Funds

