

GUIDELINES

Call for Internal Research/Study Projects – 2025

(Funded by CRIG-AGU)

The Centre for Research, Innovation, and Governance (CRIG), AISECT Group of Universities (AGU) invites **Research/Study Project Proposals** for the year **2025** from faculty members of AGU under the internal research funding scheme.

Faculty members are encouraged to submit proposals focusing on the following key aspects:

- Research addressing significant societal, local, or national challenges.
- Research contributing new knowledge, developing improved processes/systems, or bridging existing research gaps.
- Implementation of innovative ideas into products, prototypes, or scalable models.
- Research demonstrating potential for patent generation and technology transfer.
- Projects leading to operational improvements within the university, enhancing efficiency and effectiveness.
- Multi-disciplinary and collaborative projects are highly encouraged.
- **Active student participation is mandatory in all project proposals.**
- Research/Study projects from all disciplines are welcome.

Suggested Themes for Internal Research Projects

Science & Technology

- AI for Predictive Healthcare
- Smart Agriculture using IoT
- Robotics in Everyday Life
- Renewable Energy Solutions for Rural Areas
- 3D Printing in Biomedical Applications
- Wearable Technology for Health Monitoring
- Quantum Computing for Secure Communication
- Edge Computing for Faster Data Processing
- Space Technology Applications in Daily Life

- AI and Ethics in Autonomous Systems

(Any other theme related to emerging technologies is also welcome.)

Health & Medical Sciences

- Mental Health Awareness among Youth
- Telemedicine Effectiveness in Remote Communities
- Antibiotic Resistance and Global Impact
- Nutrition and Academic Performance in Students
- Impact of Sleep Patterns on Cognitive Function
- Vaccination Acceptance Across Demographics
- Genetic Factors in Rare Diseases
- AI in Medical Diagnosis and Drug Discovery
- Gut Microbiome and Mental Health
- Personalized Medicine and Genomics

(Any other theme related to the latest advancements in healthcare is also welcome.)

Environment & Sustainability

- Plastic Waste Management in Urban Areas
- Impact of Deforestation on Local Climate
- Sustainable Urban Planning Models
- Green Roofs and Energy Efficiency
- Water Purification through Natural Methods
- Carbon Footprint Reduction Strategies
- Urban Heat Islands and Mitigation Strategies
- Carbon Capture and Storage Technologies
- Climate Resilient Crops
- Circular Economy and Waste-to-Energy Projects
- Biodiversity Conservation Using Technology

(Any other theme focusing on environmental sustainability is also welcome.)

Agriculture & Food Technology 🌾

- Precision Farming using AI and IoT
- Vertical Farming and Urban Agriculture
- Post-Harvest Technology and Value Addition

- Smart Packaging Solutions for Food Safety
- Food Waste Reduction and Management
- Development of Functional and Nutraceutical Foods
- Innovations in Organic Farming
- Climate-Resilient Crop Development

(Any other theme promoting sustainable agriculture and food innovation is also welcome.)

Social Sciences & Humanities

- Effect of Social Media on Political Opinion
- Youth Engagement in Community Development
- Language Loss and Cultural Identity
- Psychology of Online Behaviour
- Gender Roles in Modern Advertising
- Digital Literacy in Rural Education
- Impact of Migration on Family Structures
- Role of AI in Shaping Social Narratives
- Ethics and Privacy in the Digital Age
- Cultural Resilience and Globalization

(Any other socially relevant or contemporary theme is welcome.)

Business & Economics

- Consumer Behaviour in Online Shopping
- Blockchain for Supply Chain Transparency
- Impact of Remote Work on Productivity
- Microfinance and Women Empowerment
- Cryptocurrency as an Emerging Asset Class
- Brand Loyalty and Social Media Influence
- Sustainable Business Practices in Startups
- Fintech Innovations and Digital Lending
- Green Finance and ESG Investments
- Startup Ecosystem in Tier-II and Tier-III Cities

(Any other new trends in business, finance, or economics are welcome.)

Education & Learning

- Gamification in E-Learning Platforms
- Effects of Hybrid Learning on Student Engagement
- STEM Outreach Programs in Underserved Communities
- AI Tutors for Personalized Learning
- Inclusion Strategies for Neurodiverse Learners
- Digital Tools for Enhancing Teacher Effectiveness
- Language Learning through Immersive Technologies (AR/VR)
- Neuroscience-Informed Teaching Strategies
- Data-Driven Decision Making in Education
- AI for Assessment and Evaluation in Schools

(Any other innovation-driven education theme is welcome.)

Submission Guidelines

- The project proposals must be submitted in the prescribed format attached.
 - Proposals must be duly recommended by the respective Vice Chancellors.
 - The final proposals should be emailed to **crig_agu@aisect.org** on or before **10th May 2025**.
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