

AAIC DIVISION — SUMMARY WORK PLAN (2025–2026)

“Engineering Jamaica for Global Impact: Resilience, Renewal & Reinvention”

(Prepared for JIE Website & Division Circulation)

1. Purpose of the Work Plan

The AAIC Division’s 2025–2026 Work Plan translates strategic discussions into **clear, measurable actions** aimed at strengthening Jamaica’s capacity in **agricultural, aeronautical, industrial, and chemical engineering sectors**.

The Division focuses on **disaster resilience, public engagement, technical capability building, and professional development**.

2. Strategic Objectives (2025–2026)

1. **Deliver sector-specific resilience training** across agriculture, industrial/chemical, and aeronautical domains through structured presentations and case studies.
 2. **Advance people-first communication**, ensuring engineering guidance is accessible, empathetic, and aligned with public concerns.
 3. **Accredit division webinars** for PDHs/EUs with consistent standards and assessment protocols.
 4. **Strengthen university partnerships** (UTech, UWI, CMU) to support student engagement and create a robust talent pipeline.
 5. **Enhance engineering curricula** through resilience-focused modules, lab demonstrations, and guest lectures.
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3. Priority Areas & Key Actions

A. Disaster Risk & Resilience Presentations

- Deliver a **three-part presentation series** covering:
 - Agriculture resilience
 - Industrial/Chemical resilience (including wastewater)
 - Aeronautical safety

- Hosted at UTech with **hybrid access** for UWI & CMU.
 - Featuring real case studies: Category-5 hurricanes, vortices, industrial safety scenarios.
Target: ≥ 3 events, ≥ 500 attendees, satisfaction $\geq 85\%$.
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B. People-First Technical Communications

- Release a **position paper** outlining affordability-aware resilience solutions (e.g., safer housing, industrial retrofits).
 - Host a **public forum** to answer FAQs, address misinformation, and engage communities.
Outcome: $\geq 20\%$ improvement in public sentiment via pre/post surveys.
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C. Webinar Accreditation (PDH/EU)

- Establish JIE-aligned criteria for assessments, attendance, and verification.
 - Pilot accreditation via **AI/ML** and **Fire Engineering** webinars.
 - Expand accreditation across all division offerings by Q3–Q4 2026.
Target: ≥ 4 accredited webinars, ≥ 300 PDHs/EUs issued.
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D. Student Chapter Coordination

- Align AAIC presentations with UTech, UWI, and CMU student-chapter schedules.
 - Use WhatsApp leadership groups for rapid mobilization.
 - Encourage multi-campus attendance through hybrid formats.
Target: Participation from ≥ 3 campuses per event. [
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E. Curriculum & Skills Gap Bridging

- Propose curricular enhancements in:
 - Hurricane vortices & Category-5 design
 - Industrial safety
 - GIS/drone applications & risk modelling
 - Deliver at least **4 guest lectures** and hands-on resilience labs.
Target: ≥ 2 new curriculum inserts adopted; ≥ 150 students trained.
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4. Cross-Cutting Themes

- **Gender Inclusion:** ≥40% women speakers and event co-leads.
 - **Community Empowerment:** Invite parish councils, NGOs, and industry leaders to collaborate.
 - **Transparency:** Quarterly updates published on the **JIE Resilience Portal**.
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5. Resources & Partnerships

Human: Subject matter experts, moderators, comms leads, CPD administrators.

Technical: Drone/GIS kits, streaming gear, accreditation software.

Financial: Support from JIE members, diaspora, MEGJC, PSOJ, DBJ, sponsors.

Institutional Partners: UTech, UWI, CMU, MSTEM, IEEE, Master Builders.

6. Risk Management Approach

- Reduce event fatigue with shorter, high-impact sessions.
 - Accelerate accreditation by involving VP Education early.
 - Maintain public trust through accessible, people-centered messaging.
 - Mitigate resource constraints via sponsorships & hybrid delivery.
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7. Communications & Visibility Plan

- Quarterly media briefings aligned with JIE’s **Rebuild Jamaica Right** campaign.
 - Dedicated AAIC page on the Resilience Portal with recordings, slides, and registration links.
 - Public forums and community outreach integrated each quarter.
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8. 2025–2026 Work Plan Timeline

Quarter	Key Deliverables
Q4 2025	Confirm venues, hybrid platforms, speaker lineup; begin PDH/EU framework drafting.
Q1 2026	Deliver Presentation #1 (Agriculture); publish position paper; pilot AI/ML accreditation.

Quarter	Key Deliverables
Q2 2026	Deliver Presentation #2; host public forum; pilot Fire Engineering accreditation; release progress update.
Q3 2026	Deliver Presentation #3; scale accredited webinars; integrate curriculum inserts.
Q4 2026	Evaluate outcomes; compile case studies; report at JIE AGM; prepare 2026–2027 continuation plan.

9. Governance & Responsibilities

- **AAIC Division Coordinator (Dr. Damian Graham):** Lead delivery, speaker coordination, quality assurance.
 - **VP Partnership & Education:** Oversee accreditation, align academic partnerships.
 - **Student Chapter Presidents:** Mobilise students & manage campus logistics.
 - **Communications Team:** Messaging, media relations, surveys.
 - **Policy & Advocacy Committee:** Position paper, FAQs, stakeholder engagement.
 - **JIE Secretariat:** Documentation, registration, certification.
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