REQUIREMENT TRACEABILITY MATRIX

Requirement ID	Functional Requirement	Source / Rationale	Design Reference	Implementation / Module	Test Case / Verification	Status
FR-001	Home Page: Hero Section with image, quote, and introduction	BRD – homepage design	Wireframe HP-01	Home Page	Verify hero image, quote, and intro text display correctly	Closed
FR-002	Home Page: Academic Contributions section	BRD – showcase achievements	Wireframe HP-02	Home Page	Confirm section displays academic milestones with icons / text	Closed
FR-003	Home Page: Explore My Work section (Latest Research, Student Resources, Recent Insights)	BRD – highlight research & resources	Wireframe HP-03	Home Page	Ensure 3 sub-categories are clickable and lead to respective pages	Closed
FR-004	Home Page: About Prof. Grace Otinwa section	BRD – overview section	Wireframe HP-04	Home Page	Verify brief bio displayed with "Learn More" button linking to About page	Closed
FR-005	Recent Publication Section	BRD – highlight recent work	Wireframe HP-05	Home Page	Ensure 3 recent publications are displayed, clickable to detail pages	Closed
FR-006	Mentorship & Teaching Section	BRD – highlight teaching impact	Wireframe HP-06	Home Page	Verify stats (students mentored, courses, awards) and CTA buttons work	Closed
FR-007	Blog & Insights Section	BRD – featured posts	Wireframe HP-07	Home Page	Confirm featured articles display correctly and links work	Closed

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FR-008	Contact Section: Contact Form & Info	BRD – enable communication	Wireframe HP-08	Contact Page	Test form submission, email notification, map embedding, clickable email	Closed
FR-009	About Page: Biography, Timeline, Documentary Section	BRD – detailed overview	Wireframe AP-01	About Page	Verify biography text, timeline visualization, and documentary preview	Closed
FR-010	Awards & Recognition Section	BRD – showcase achievements	Wireframe AP-02	About Page	Ensure awards and recognitions display properly with images & text	Closed
FR-011	Gallery Section	BRD – media showcase	Wireframe AP-03	Gallery Page	Test image/video gallery display and lightbox functionality	Closed
FR-012	Research & Publications Page	BRD – centralize academic contributions	Wireframe RP-01	Research Page	Ensure publications are searchable, clickable, and downloadable if required	Closed
FR-013	Mentorship & Teaching Resources Page	BRD – teaching archive	Wireframe MP-01	Mentorship Page	Verify courses, mentoring achievements, and resources display correctly	Closed
FR-014	Blog Page	BRD – content sharing	Wireframe BP-01	Blog Page	Confirm blog posts display with title, snippet, and clickable "Read More" links	Closed

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FR-015	Footer Section	BRD – navigation & social links	Wireframe FT-01	All Pages	Test links to Home, About, Research, Contact, resources; check social media icons	Closed
FR-016	Embedded Documentary Video	BRD – legacy integration	Wireframe DV-01	About Page	Verify video plays on desktop and mobile; optional download or share	Closed
FR-017	Website Navigation	BRD – seamless UX	Wireframes Nav-01	All Pages	Ensure menu items navigate correctly to respective pages	Closed
FR-018	Responsive Design	BRD – multi-device access	UI Design Guidelines	All Pages	Test website layout across desktop, tablet, and mobile devices	Closed
FR-019	Security & SSL	BRD – data protection	Security Plan	All Pages	Confirm HTTPS, secure forms, and encryption for user data	Closed
FR-020	SEO & Metadata	BRD – search visibility	SEO Guidelines	All Pages	Verify meta titles, descriptions, alt texts, and Google indexing	