User Experience Evaluation of GRIA

[Privacy & Data Usage Consent]

The data collected in this survey is strictly for academic research purposes regarding the evaluation of the GRIA tool. All responses will be anonymized to protect your personal identity. By filling out and submitting this questionnaire, you explicitly consent to the following:

1. Data Analysis: Your responses will be analyzed by the research team to evaluate the effectiveness and user experience of the tool.
2. Public Disclosure: The anonymized and aggregated data may be published in academic venues (e.g., conference papers, journals) or open-sourced datasets.

Submission of this form constitutes your agreement to these terms.

[Purpose]

This survey aims to evaluate your experience using the GNU Radio Intelligent Assistant (GRIA) during the course. Your feedback will help us understand the tool's effectiveness in assisting industrial software education. **Instructions:** Please rate the following statements based on your actual experience with GRIA. **Scale:** 1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree.

[Part 1: Perceived Usefulness (PU)]

Definition: Measuring the tool's help in improving task efficiency.

ID	Statement	1	2	3	4	5
PU1	Using GRIA enabled me to complete GNU Radio tasks more quickly.				✓	
PU2	GRIA improved my overall efficiency in solving signal processing problems.					✓
PU3	I found GRIA to be a useful tool for my coursework and experiments.					✓

[Part 2: Perceived Ease of Use (PEOU)]

Definition: Evaluating the fluency of natural language interaction.

ID	Statement	1	2	3	4	5
PEOU1	Interacting with GRIA using natural language was clear and understandable.				✓	
PEOU2	It was easy to get GRIA to do what I wanted it to do.					✓
PEOU3	The interaction with GRIA felt fluent and natural.				✓	

[Part 3: System Trust & Reliability (STR)]

Definition: Assessing users' trust in the accuracy of generated code.

ID	Statement	1	2	3	4	5
STR1	The code and configurations generated by GRIA were accurate and error-free.				✓	
STR2	I rarely encountered version incompatibility issues (e.g., deprecated APIs) when using GRIA.			✓		
STR3	I trust the technical solutions provided by GRIA.				✓	

[Part 4: Perceived Learning Assistance (PLA)]

Definition: Aimed at exploring whether students believe the tool promoted knowledge internalization.

ID	Statement	1	2	3	4	5
PLA1	GRIA helped me understand the underlying principles of GNU Radio, not just the code.			✓		
PLA2	The explanations provided by GRIA helped me internalize the knowledge better.					✓
PLA3	Using GRIA acted as a learning scaffold, helping me learn how to solve problems independently.				✓	