

**PROPOSED PROJECT ACTIVITIES & TIMELINE** - Chart of key activities and timelines)

No.	Phase 1 Project Activities	Responsible Team	Year 1				Year 2			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.	<b>Activity 1.1 - Formulation of RUTF and Process Optimization with locally available ingredients</b> ✓ Determining formulation process and food Ingredient selection ✓ Ingredient Analysis ✓ Sensory tests of formulation selection ✓ Optimize formulation and profile analyze	Food Scientist-Product Developer. (SciInnovTec Res & LSU) FBC-Chemistry Dept Debar Group	X	X	X	X	X			
2.	<b>Activity 1:2 - Quality Evaluation and Product Analysis of RUTFs</b> ✓ Heavy metals - arsenic, lead, cadmium, mercury ✓ Toxins - Rice base after tainted with lead, cadmium. (These affect brain function).	External Analytical Laboratory on Food Safety					X	X	X	
3.	<b>Activity 1.3 - Storage/Shelf Life and Safety Tests</b> ✓ Six (6) months storage study under varying conditions (home use storage test, counter storage, airtight bin storage)	Food Scientist & Product Developer (SciInnovTec Research) (Commercial Labs for analysis)				X	X	X	X	X
4.	<b>Activity 2.1 - Sensory Acceptance study with mothers (n-120)</b> ✓ Sensory testing of product ✓ In-vitro digestibility study	Food Scientist / Sensory Consumer Scientist (SciInnovTec Research; LSU)				X	X	X	X	
5.	<b>Activity 2.2 - Cost Analysis of RUTF prototypes in comparison to Existing ones</b>	SciInnovTec Research							X	
6.	<b>Activity 2.3 - Development of crop value and supply chain with farmers producing crops utilized in the product prototype</b> ✓ Meet with farmers or producers and identify potentially sustainable suppliers ✓ Develop a supply chain system ✓ Training and Introduction of ingredient standards	Agronomist / Agriculturist (Debar Group Ltd) in conjunction with SciInnovTec Research				X	X			
7.	<b>Activity 3 – Mini Consumer Study</b> ✓ 100 – 120 mothers	SciInnovTec Research, LSU, MoHS (Food scientist, Nutritionists etc)						X	X	
8.	<b>Activity 4 - Data Analysis</b>	SciInnovTec & LSU				X	X	X	X	
9.	<b>Activity 5 - Project Report Write-up and Submission</b>	SciInnovTec Research						X	X	X
10.	<b>Activity 6 - Manuscript preparation for publication</b>	SciInnovtec Research							X	X