



# Research and Training Centre

Patuakhali Science and Technology University

Dumki, Patuakhali-8602, Bangladesh

Email: rtc@pstu.ac.bd

## Monitoring Format FY: 2023-2024

### Part-A (For PI)

**1. Project Title:** A Gap Coupled Hexagonal Split Ring Resonator Based Metamaterial for S-Band and X-Band Microwave Applications

**2. Name of the PI with address:** Dr. Md. Samsuzzaman, Dumki, Patuakhali, Bangladesh , Patuakhali Science & Technology University (PSTU)

**3. Project activity and progress:**

Activity proposed in original proposal													Progress (Completed/ongoing)												
Work/Activity	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Work/Activity	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Existing Literature review and antenna specification																									
Antenna design in CST simulation software																									
Compare the performance of high gain UWB antenna and with the existing one																									
Fabricated and measured the antenna parameter																									
Imaging analysis in CST simulator																									
Project Completion , Journal and Report writing																									

**4. List of procured goods and services proposed in the original proposal:**

Proposed goods and services to be procured (Mentioned in the original proposal)					Procured goods and services				
Sl. No.	Item	Quantity	Unit Price	Total cost (Tk)	Sl. No.	Item	Quantity	Unit Price	Total cost (Tk)
1	a) Substrate Material	3	3000	9000					
2	b) Fabrication Cost	3	2000	6000					
3	c) Measurement Cost	3	2500	7500					
4	d) Printer	1	10000	10000					
5	e) USB Switch/Router	2	1000	2000					
6	f) Soldering Iron	1	1000	1000					
7	g) SMA connector	10	100	1000					
8	h) Tool Box	1	1500	1500					
9	j) Mouse, Keyboard	2	750	1500					
10	k) UPS Battery	1	1500	1500					
11	l) Simulation soft CST	1	18000	18000					
12	Paper, Pen, Marker, Pen drive , CD/DVD, Tonner and others	0	9000	9000					
13	PI Honorium	1	12000	12000					
	<b>Grand Total:</b>			<b>80000.00</b>		<b>Grand Total:</b>			<b>0.00</b>

### Part-B

(For Monitoring Committee)

**1. Observation (Qualitative progress in %): 80**

**2. Suggestions (If any): Good**

**3. Recommendations of monitoring committee: Googdddd  
best**

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**Endorsement of Monitoring Committee**

**BUDGET SUMMARY (ANNUAL BASIS):**

<b>Sl. No.</b>	<b>Item</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Cost (Tk)</b>
1	a) Substrate Material	3	3000	9000
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