



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													Existing Literature review and antenna specification												
Antenna design in CST simulation software													Antenna design in CST simulation software												
Compare the performance of high gain UWB antenna and with the existing one													Compare the performance of high gain UWB antenna and with the existing one												
Fabricated and measured the antenna parameter													Fabricated and measured the antenna parameter												
Imaging analysis in CST simulator													Imaging analysis in CST simulator												
Project Completion , Journal and Report writing													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	1	a) Substrate Material	3	3000	9000
2	b) Fabrication Cost	3	2000	6000	2	b) Fabrication Cost	3	2000	6000
3	c) Measurement Cost	3	2500	7500	3	c) Measurement Cost	3	2500	7500
4	d) Printer	1	10000	10000	4	d) Printer	1	10000	10000
5	e) USB Switch/Router	2	1000	2000	5	e) USB Switch/Router	2	1000	2000
6	f) Soldering Iron	1	1000	1000	6	f) Soldering Iron	1	1000	1000
7	g) SMA connector	10	100	1000	7	g) SMA connector	10	100	1000
8	h) Tool Box	1	1500	1500	8	h) Tool Box	1	1500	1500
9	j) Mouse, Keyboard	2	750	1500	9	j) Mouse, Keyboard	2	750	1500
10	k) UPS Battery	1	1500	1500	10	k) UPS Battery	1	1500	1500
11	l) Simulation soft CST	1	18000	18000	11	Simulation Soft CST	1	18000	18000
12	Paper, Pen, Marker, Pen drive , CD/DVD, Tonner and others	0	9000	9000	0		0	0	0
13	PI Honorium	1	12000	12000	0		0	0	0
	Grand Total:			80000.00		Grand Total:			59000.00

Part-B

(For Monitoring Committee)

1. Observation (Qualitative progress in %): 90

2. Suggestions (If any): best

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

Endorsement of Monitoring Committee

BUDGET SUMMARY (ANNUAL BASIS):

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
	Grand Total:			80000.00