

# 11.Budget Details:

Si No	Item	Description	Quantity	Amount
1.	Consumables			
	PLA	For 3D printing	2	6000.00
	Acrylic sheet	6X1250X1250mm	4	
2.	Equipments			
	Enclosure structures for all parts	Fabricated using 3D printed and mechanical parts	1	38,000.00
	Solar panel	400w	1	
	PCB	1ftx1ft	7	
	Controller	Microcontroller based	1	
	PCB fabrication	Add-on boards	1	
	Touch screen display		2	
	Wifi module		2	
	Power supply		1	
	Electronic components	For developing the boards	6	
	Lead acid battery	200ah	1	
	Modem	Tplink wd8961n	1	
	Relays	5A/230V	10	
3.	Travel	Purchase		2000.00
4.	Research Literature			2000.00
5.	Others	Miscellaneous		2000.00
6.	Contingency			2000.00
			Total	52000.00



Signature of Principal Investigator:

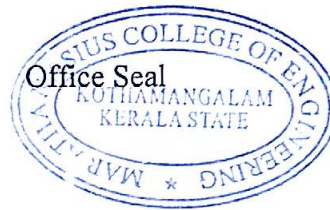
Name, Address & Telephone No :

Prof. Athira Prasad  
Assistant Professor,  
Department of Electronics and  
Communication,  
Mar Athanasius College of Engineering  
Kothamangalam  
PIN: 686 666  
Ph: 9446606002

Place: Kothamangalam

Date: 19/09/2018

Address:



Director Research,  
Centre for Engineering Research and Development,  
APJ Abdul Kalam Technological University,  
College of Engineering Trivandrum Campus,  
Thiruvananthapuram.  
Pin 695 016.

TO,

11. If the results of research are to be legally protected by way of patent/copy rights etc. the results should not be published without action being taken to secure legal protection for the research results.
12. The knowledge generated from the project will be the property of CERD and should be properly acknowledged. Transfer to technology generated shall be done in consultation with the CERD.
13. The CERD may enforce additional guidelines for the operation of the student project from time to time and the Institution/Investigators are required to observe such directions in the conduct of the research work.
14. Equipment head will not be allowed in research funding to private self financing colleges. In special situations, based on recommendations of expert committee, 50% of equipment cost will be reimbursed if and only if the other 50% is shared by the College

We agree to the terms and conditions stated above.

ATHIRA PRASAD

Name & Signature of  
Principal Investigator

*Dr. Bini E. Seldore*  
Name & Signature of  
Prof-in-charge,  
Satellite Centre

*Solly George*  
Name & Signature of  
Head of Institution  
**Dr. SOLLY GEORGE**  
**PRINCIPAL**  
**Mar Athanasius College of Engineering**  
**Kothamangalam, Kerala - 686 666**

