



SN TECHNOLOGIES

Corporate Solution Providers

Ref: SN-Tech/2023/May-03

Date: 31-05-2023,

Sponsored Collaborative Project Grant

Dear sir/ Madam

SN technology is a technology company dealing in embedded solutions and IOT cooperate solution provider. Company is working on a project of “**Performance enhancement of Next Generation communication Technology**” especially for Wi-Fi uses. There are various sub modules of the Project. I would like to invite your esteemed institute (NIIST Bhopal) to collaborate and provide technical consultancy for designing the sub module of the “**S and C band microstrip antenna for the Wi-Fi Connectivity**”

A. Time line

The timeline and details of the Project are

- 1) Proposal acceptance by June 2023
- 2) Initial Design and Methodology submission by August 2023.
- 3) Final design and simulation submission by Sept. 2023.

SN Tech wants to design S Band antennas for the IOT based Wi-Fi and Satellite communication down links.

B. Specifications

The goal of the research is to enhance the percentage bandwidth utilization. The designed S band antenna is required to be inexpensive and small so that it can be used in 2.4 GHz IOT medical applications

Design requirement at the 2.2 permittivity material

Band	W	L	X	Y _x
S	0.0593	0.0498	0.0296	0.0171
C	0.0282	.0282	0.0282	.0282

Quality factor enhancement, impedance characteristic's and bandwidth utilizations are presented for the two proposed antenna designs

We would like to contribute with PI as discussed earlier

1. PI : Dr Puran Gour Principal NIIST Bhopal
2. CO PI : Anand Bharti

I hereby declare that once the both parties are agreed on project proposal the Final Completion of project is subjected to sponsored payment of Rs 1500 To PI or Co PI

Name of Organization: NIIST Bhopal
Nature of Sponsor: SN Technology Bhopal
Duration of Work: 4 months
Sponsor amount (Cons) = 23250 INR

Pareesh
PAREESH RAWAT
Director-SN Technology
Lalghati, Bhopal

(Head of the Industry/Agency)
Seal/Stamp

Date: 31-05-2023

Place: Bhopal