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It is my pleasure to invite you to contribute a chapter to my book titled: **Biomedical Engineering and its Applications in Healthcare** that will be published by Springer.

As you are probably aware that, Springer is a part of Springer Nature and an international professional publisher, known for its rich and comprehensive biomedical engineering research program. Springer Nature is the world's largest academic publisher of the books, world's most influential journals, and a pioneer in the field of open research. Springer eBooks are indexed in internationally recognized databases, such as- Pub Med.

This project on **Biomedical Engineering and its Applications in Healthcare** will be edited by me (Assistant Professor, North-Eastern Hill University, Shillong, India).

I'm pleased to invite you to contribute a Chapter (details mentioned below). We understand that this is quite an undertaking and that you may require assistance. As such, you can take contributions from the trainees and colleagues to compile manuscript as the co-authors.

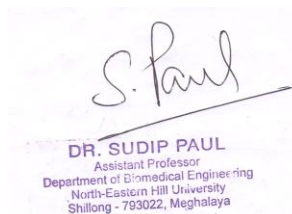
This is truly a valuable and timely project and I would be delighted for you to be a part of the volume. The chapter length would be approximately 20 to 25 double-spaced Microsoft Word Pages (details attached). I have also attached a chapter outline in order to guide you in preparing this manuscript. In addition, I have a generous allowance for colored figures/illustrations. Ideally, the timeline for the chapter completion would be **January 31st, 2019 by email: sudip.paul.bhu@gmail.com**.

I sincerely hope that you will accept the invitation to contribute to this timely book. Please let me know if you have any questions. In the meantime, please review the attached documents – the chapter deadlines, style sheet, chapter outline and book overview, and author checklist, as well as Consent to publish form. I look forward to hearing from you.

To give you a better idea of the contents of the book, here is a preliminary table of contents:

CHAPTER NO	DESCRIPTION
1	BASIC OVERVIEW OF HUMAN PHYSIOLOGY
2	BASICS OF BIOELECTRONICS
3	OVERVIEW OF MEDICAL PHYSICS
4	BIOSENSORS AND TRANSDUCERS
5	BIOMATERIALS AND ITS MEDICAL APPLICATIONS
6	BIOINSTRUMENTATION AND ITS DESIGN ASPECTS
7	TECHNIQUES RELATED TO DISEASE DIAGNOSIS AND THERAPEUTIC
8	BIOSIGNALS AND ITS SIGNIFICANCE
9	MEDICAL IMAGING AND IMAGE PROCESSING
10	PATHOPHYSIOLOGY OF DISEASES CAUSING PHYSICAL DISABILITY
11	REHABILITATION ENGINEERING
12	ROBOTICS AND ITS APPLICATIONS
13	CALIBRATION, REPAIR AND SAFETY ASPECTS
14	MEDICAL ETHICS AND POLICIES
15	MODERN DIAGNOSTIC TOOLS

Yours Sincerely,



Dr. Sudip Paul

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