Individual profile – Dr. Bhaben Saikia

Department of Electronics

1. Name:	Dr. Bhaben Saikia
2. Father's Name:	Late Tankeswar Saikia
3. Mother's Name:	Mrs. Putali Saikia
4. Department:	Electronics
5. Educational Qualification:	M.Sc., Ph.D.
6. Current Designation:	Assistant Professor & HoD
7. Date of joining:	01-06-2023, No.DHE/CE/AC/NET/SLET/190 /2023/62, Dated Kahilipara, the 25-05-2023
8. Sex:	Male
9. Marital status:	Married
10. Nationality:	Indian
11. Category:	General
12. Address for Correspondence:	Dept. of Electronics, Dhemaji College, Dhemaji-787057
13. Permanent Address:	Vill.: Haluwajan, P.O.: Khaga, Lakhimpur-787052, Assam, India
14. Date and place of birth:	10/09/1987 and Lakhimpur, Assam
15. Email(s) and contact number(s):	b.saikia13guect@gmail.com 9101574549 8486448014 (WhatsApp)
16. Institution:	Dhemaji College

17. Academic Qualification (HSLC Onwards):

Degrees	Name of Board/ University	Name of the institution	Subject(s) taken	Year of Passing
H.S.L.C	SEBA	Srimanta Sankardev High School	English, Maths, Science, Social Studies, Adv. Maths & Assamese	2003
H.S.	AHSEC	North Lakhimpur College	Physics, Chemistry, Maths, Biology, English & Assamese	2006
B.Sc	Dibrugarh University	North Lakhimpur College	Physics (Major), Electronics, Maths, English	2009
M.Sc	Gauhati University	Gauhati University	Electronics & Communication Technology	2011
Ph.D.	NERIST	NERIST	Title: Design and Analysis of Reconfigurable Microstrip Patch Antenna for C Band Applications	2022

18. Major Conference attended:

Sl. No.	Title of the Paper Presented	Name of Seminar / Conference / Workshop	Place & Date
i.	Modulation Recognition using Artificial Neural Network (ANN)	International Conference on Softcomputing and Engineering Applications (SEA-2011)	Kolkata, September, 2011
ii.	Design of a frequency reconfigurable microstrip patch antenna for multiband applications	5th International Conference on Computers & Management Skills (ICCM 2019)	Dept. of ECE, NERIST, December, 2019
iii.	Design of Reconfigurable Microstrip Patch Antenna with E-Shaped Slot for C-Band Applications	5th International Conference on Computers & Management Skills (ICCM 2019)	Dept. of ECE, NERIST, December, 2019
iv.	Investigation of a PIN Diode-Based Frequency Reconfigurable Microstrip Patch Antenna for Multiband Applications	27th International conference of International Academy of Physical Sciences (CONIAPS–XXVII, 2021)	Dept. of Physics, NERIST, October, 2021

19. Books/ Chapter in Books:

Particulars	Details
Chapters in research books authored	i. Details of the book: Advances in Electronics and Communication Engineering, Volume-1: AkiNik Publications, New Delhi. ISBN: 978-93-90322-61-9. Title of the chapter: Reconfigurable Patch Antenna: Introduction to Implementation. ii. Details of the book: Advances in Electrical Engineering, Volume-3: AkiNik Publications, New Delhi. ISBN: 978-93-90322-75-6. Title of the chapter: A Review on Flexible Materials for Microstrip Patch Antenna Substrate.

20. Publications in peer-reviewed journals:

i. Saikia B., Dutta P., Borah K.: A compact dual asymmetric L-slot frequency reconfigurable microstrip patch antenna. Progress In Electromagnetics Research C. 2021; **113**:59-68.

ii. Dutta P., Saikia B., Alapati P. R., Borah K.: Linear Low-Density Polyethylene-Thermotropic Liquid Crystal Composite Substrate for High-Frequency Devices: Dielectric Characterization. Journal of Electronic Materials. 2021; **50**:1434–43.

iii. Saikia B., Borah K.: A Parasitic Array Based Pattern Reconfigurable Patch Antenna for Wi-Fi 6E Application. Progress In Electromagnetics Research M. 2022; **107**:119-29.

iv. Saikia B., Borah K.: A Compact Frequency Reconfigurable Patch Antenna with Asymmetric armed U and Reversed L Slots for Handheld Wireless Devices. International Journal of Microwave and Wireless Technologies. 2022:1–9.

v. Saikia B., Borah K.: Parasitic Array Based Radiation Pattern Reconfigurable Patch Antenna for WLAN Application. Advanced Electromagnetics. 2022; **11**(4):42–50.

21. Teaching Experience: P.G. Classes: 06 years

U.G. Classes: 08 Years