1. Name : **PROBIDITA ROYCHOUDHURY**

2. Date of Joining: **1/09/2001**

3. Current designation: **Assistant Professor (AGP : 8000)**

4. Email Address : **probidita.phukan@gmail.com, probidita@anthonys.ac.in**

5. Academic Qualification

Degree / Certificate	Name of the Board / University	Division / Class / Grade	Subject (s)
Class X	SEBA	I	
Class XII	AHSEC	I	Science
BSc	Gauhati University	I	Statistics(H), Economics, Mathematics
MCA	Tezpur University	I	Computer Applications
Post Graduate Diploma in E-Learning	IGNOU	I (Gold Medal)	E-Learning
PhD (submitted)	NIT Meghalaya		Topic: Group-based Authentication Schemes for Machine to Machine Communication

6. **Other achievements**

    a. Qualified UGC NET 2012

    b. UGC Fellowship for Faculty Development Program to pursue PhD program 2016

7. **Publications**

International Journals

- Probidita Roychoudhury, Basav Roychoudhury, Dilip Kumar Saikia, *Provably secure group authentication and key agreement for machine type communication using Chebyshev's polynomial*, Computer Communications, Volume 127,2018,Pages 146-157,ISSN 0140-3664, https://doi.org/10.1016/j.comcom.2018.06.005. [Indexing: SCIE,Scopus; Impact Factor : 2.613]

- Probidita Roychoudhury, Basav Roychoudhury, and Dilip Kumar Saikia, "*Hierarchical Group Based Mutual Authentication and Key Agreement for Machine Type Communication in LTE and Future 5G Networks,*" Security and Communication

Networks, vol. 2017, Article ID 1701243, 21 pages, 2017. doi:10.1155/2017/1701243 [Indexing : SCIE,Scopus; Impact Factor : 1.067 (2016-17)]

- Probidita Roychoudhury, *Challenges in future 5G networks and some potential solutions : A survey*, Spectrum – Science and Technology, Vol 3, 2016, ISSN 2349 2937

- Probidita Roychoudhury, Anjan Das, "*e-Waste: E for Eradicate*", Vol 1, Spectrum 2009

International Conferences

- P. Roychoudhury, B. Roychoudhury and D. K. Saikia, *A group-based authentication scheme for vehicular Moving Networks*, 2016 International Conference on Accessibility to Digital World (ICADW), Guwahati, 2016, pp. 93-96. doi: 10.1109/ICADW.2016.7942519
- Probidita Roychoudhury, Basav Roychoudhury, *Group-based Mutual Authentication Protocol for MTC over LTE: A Survey*, Proceedings of International Conference on Computing and Communication Systems, Publisher: IGI Global, USA, 9th April 2015

Book Chapters

- Probidita Roychoudhury, *Web 2.0: toolbox for tomorrows classrooms*, "Reasserting Basic Sciences",

Text Books

- Basav Roychoudhury, Probidita Roychoudhury, *Computer Science and Application for Class 10, MBOSE*, Evergreen Publications (India) Ltd., New Delhi, ISBN: 81-7313-662-9

8. Workshops/Conferences Organized (as Coordinator/Organizing Chair/Joint Coordinator)

   a. Organizing Chair of IEEE sponsored Second National Conference on Emerging Trends and Applications in Computer Science, organized by St. Anthony's College at St. Anthony's College, 2011

   b. Joint Coordinator of Meghabytes-2011, a two day IT conclave organized by the Department of IT, Govt. of Meghalaya

   c. Organizing Chair of First International Conference on Emerging Trends and Applications in Computer Science, Technically Sponsored by IEEE, 13th - 14th September, 2013

   d. Coordinator of Two day National Workshop on Security Issues in Cloud and Machine to Machine Communication , Organized by St. Anthony's College and National Institute of Technology, Meghalaya , 27th – 28th August 2015

9. Reviewer of International Journals

- IEEE Access, IEEE
- Human-centric Computing and Information Sciences, Springer
- 3D Research, Springer