# ASSISTANT PROFESSOR

## SOUNAK BASU
**Contact:** +91- 9475654194
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### RESEARCH INTERESTS:
CRYPTOGRAPHY

### EXPERIENCE:
**Academics:** 5 Months
**Industry:** 1 Year 3 Months

### EDUCATION:
M.Tech, MAKAUT
B.Tech, MAKAUT

**Courses Taught:**

Soft Computing, Cryptography & Network Security, Design and Analysis Algorithm

**Projects Handled:**

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**Research Publications:**

[1] S. Basu and D. Naik, "Enhancing WDM-PON Security Using Hybrid Elliptic Curve Cryptography Techniques," 2025 International Conference on Computing, Intelligence, and Application (CIACON), Durgapur, India, 2025, pp. 1-6, doi: 10.1109/CIACON65473.2025.11189456. keywords: {Resistance;Optical fibers;Elliptic curves;Scalability;WDM networks;Elliptic curve cryptography;Physical layer;Passive optical networks;Encryption;Digital signatures;Elliptic Curve Digital Signature Algorithm (ECDSA);RSA (Rivest-Shamir-Adleman) Algorithm;Man-in-the-Middle (MITM);and Wavelength Division Multiplexing Passive Optical Network (WDM-PON)}

**Additional Responsibilities:**

NAAC and NBA Team, Project Committee

**Awards Obtained:**

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