

# Barun Biswas

M. Sc (Computer Science), Ph.D (pursuing)

Assistant Professor

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## Contact Details :

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## Teaching Experience:

Over 2 Years

## Research Interests :

- i. Document Image Processing
- ii. Convolutional Neural Network (CNN)

## Awards & Scholarships :

- i. RGNF Fellowship

## List of Publications :

- i. Barun Biswas, Krishnendu Basuli, Saptarshi Naskar, Saomya Chakraborti Samar Sen Sarma, "A Combinatorial Algorithm To Generate All Spanning Trees Of A Weighted Graph In Order Of Increasing Cost", CoRR abs/1209.4206
- ii. Barun Biswas, Krishnendu Basuli, Samar Sen Sarma, "Multiplication another Hue And Cry", The International Journal of Engineering And Science (IJES)
- iii. Barun Biswas, Krishnendu Basuli, "A novel process for key exchange avoiding man-in-middle attack", International Journal of Advancements in Research & Technology
- iv. Barun Biswas, Krishnendu Basuli, Samar Sen Sarma, "On A Key Exchange Technique, Avoiding Man-In-The-Middle-Attack", Journal of Global Research in Computer Science

- v. Barun Biswas, Krishnendu Basuli, Samar Sen Sarma, "A close look towards Modified Booth's algorithm with BKS Process", IOSR Journal of Engineering (IOSRJEN)
- vi. Barun Biswas, Krishnendu Basuli, Samar Sen Sarma, "Joust For Supremacy-Booth's & BKSs Multiplication Algorithm", Journal of Global Research in Computer Science

### **Papers Accepted:**

- i. Barun Biswas, Ujjwal Bhattacharya, Bidyut Baran Chaudhuri, "A Robust Script Independent Approach to Skew Correction for Different Types of Documents", 5th International Doctoral Symposium on Applied Computation and Security Systems (ACSS-2018)

### **Conference Presentations :**

- i. Barun Biswas, Ujjwal Bhattacharya, Bidyut Baran Chaudhuri, "A Robust Scheme for Extraction of Text Lines from Handwritten Documents", International Conference on Computer Vision and Image Processing (CVIP2016)
- ii. Barun Biswas, Ujjwal Bhattacharya, Bidyut Baran Chaudhuri, "A Global-to-Local Approach to Binarization of Degraded Document Images", 22nd International Conference on Pattern Recognition (ICPR 2014) 2014, Stockholm
- iii. Barun Biswas, Bidyut Baran Chaudhuri, "Generalization of Booth's algorithm for Efficient Multiplication", International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA) 2013, ELSEVIER

### **International Competition Participated :**

- Participated in Handwritten Document Image Binarization Competition (H-DIBCO), IAPR in ICFHR 2014, Greece