1. Name : Dr. Kaushik Roy

2. Designation : Professor

3. Academic Qualification : PhD (Engg)

4. Specialisation : Computer Science

5. Teaching Experience : 15 years

6. Course Taught : Algorithm, Operating System, Pattern

   Recognition, Image Processing,

   Artificial intelligence

7. Area of Research interest : Pattern Recognition & Analysis, Image

   Processing, Speech Analysis, Handwriting

   Analysis, Medical Signal Processing

8. Major Publication

   a. Co-Editor of the Book, "Document Analysis using Machine Learning" by CRC Press, Taylor & Francis, 2019, ISBN 978-0-367-21847-8,978-0-367-21847-8 and Catalogue Number is K419566.
   b. K. Roy, Sk Md Obaidullah, K.C. Santosh, N. Das and C. Halder, "Separating Indic scripts with 'matra' for effective handwritten script identification in multi-script documents", in International Journal of Artificial Intelligence & Pattern Recognition (IJPRAI), World Scientific, vol. 31, no. 4, 1753003 (17 pages), 2017 (indexed in SCI/SCIE) [Impact Factor: 0.994].
   c. K Roy, Sk Md Obaidullah, C Halder , K. C. Santosh and N Das, "PHDIndic_11: Page-level handwritten document image dataset of 11 official Indic scripts for script identification", Multimedia Tools And Applications, (MTAP), Springer, Vol. 77 (2), pp. 1643–1678, doi:10.1007/s11042-017-4373-y, 2017 (indexed in SCI/SCIE) [Impact Factor: 1.53].
   d. K. Roy, Sk Md Obaidullah, K.C. Santosh, N. Das and C. Halder, "Automatic Indic script identification from handwritten documents: page, block, line and word-level approach", International Journal of Machine Learning and Cybernetics, 1-20, 2017 [Impact Factor: 2.692].
   e. K. Roy, S. Sen, M. Mitra, S. Chowdhury, F. Schwenker and R. Sarkar, "A Novel Segmentation Technique for Online Handwritten Bangla Word", Pattern Recognition Letters, in press. [Impact Factor: 1.995].
   f. K. Roy, H. Mukherjee, Sk Md Obaidullah and S. Phadikar, "MISNA - A Musical Instrument Segregation System from Noisy Audio with LPCC-S Features and Extreme Learning", Multimedia Tools and Applications, Accepted. [Impact Factor: 1.53].
   g. K. Roy, H. Mukherjee, Sk Md Obaidullah K. C. Santosh and S. Phadikar, "A Lazy Learning based Language Identification from speech using MFCC-2 Features", International Journal of Machine Learning and Cybernetics, Accepted for publication. [Impact Factor: 2.692].
   h. K. Roy, S. Sen, M. Mitra, A. Bhattacharyya and R. Sarkar, "Feature Selection for Recognition of Online Handwritten Bangla Characters", Neural Processing Letters, Accepted for publication. [Impact Factor: 1.787].
   i. K. Roy, S. Ukil, S. Ghosh, Sk Md Obaidullah, K.C. Santosh and N. Das, "Improved word level handwritten Indic script identification through integrated small convolutional neural network", Neural Computing and Applications, Accepted for publication. [Impact Factor: 4.66].
   j. K. Roy, H. Mukherjee, S. Ghosh, S. Das, Sk Md Obaidullah, K.C. Santosh and S. Phadikar,"Deep learning for spoken language identification: Can we visualize speech signal patterns?", Neural Computing and Applications, "Accepted for Publication  IF 4.664
   k. K. Roy, S. Sen, M. Mitra, A. Bhattacharyya, S. Naskar and R. Sarkar, "Online Bangla Handwritten Word Recognition Using HMM and Language Model", Neural Computing and Applications, Accepted for Publication, IF 4.66.

9. Research project

a. "A System for Online Bangla Handwriting Recognition", Funded by AICTE  2007-2009

b. "Development of Online Handwriting Recognition System in Indic script: A case study with Bangla",  Funded by SERB, DST. 2019-

**10.** Special Distinction

a. PhD Supervision : Completed 3

b. Champion in National Competition for Young IT Professional Awards 2004-YITPA '04, conferred by the Computer Society of India