CURRICULUM VITAE

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➤ **Area of Teaching:**

      i)   Datastructure
      ii)   Analysis of Algorithm
      iii) Automata theory

➤ **List of research papers published in International journals:**

   i)   K. G Dhal, Md. I. Quraishi, and S Das, "An Improved Cuckoo Search based Optimal Ranged Brightness Preserved Histogram Equalization and Contrast Stretching Method", Int. Journal of Swarm Intelligence Research (IGI- GLOBAL Publishers), Vol.8, and ISSN: 2049-405X, 2017.

   ii)   K. G Dhal, M. Sen, and S Das, "Cuckoo search based modified Bi-Histogram Equalization method to enhance the cancerous tissues in Mammography images", Int. Journal of Medical Engineering and Informatics (InderScience Publication), ISSN: 1755-0653 (print version), ISSN: 1755-0661 (electronic version), 2017 (publication house).

   iii)   K. G Dhal and S Das,"Combination of Histogram Segmentation and Modification to preserve the original brightness of the images", Pattern Recognition and Image Analysis(Springer), Vol. 27(2). PP-200-212, 2017.

   iv)   K. G Dhal and S Das," Colour Retinal Images Enhancement using Modified Histogram Equalization Methods and Firefly Algorithm", International Journal of Biomedical Engineering and Technology (InderScience Publication), ISSN: 1752-6426, 2016, (publication house).

v) K. G Dhal and S Das,"Cuckoo search with search strategies and proper objective function for brightness preserving image enhancement", Pattern Recognition and Image Analysis(Springer), ISSN: 1054-6618 (print version), ISSN: 1555-6212 (electronic version), 2017 (publication house).

vi) K. G Dhal, Md. I. Quraishi, and S Das, "Development of Firefly Algorithm via Chaotic Sequence and Population Diversity to Enhance the Image Contrast", Natural Computing (Springer), DOI: 10.1007/s11047-015-9496-3, Vol. 14, ISSN: 1567-7818(print version), ISSN: 1572-9796 (electronic version) 2015.

➢ **Area of Research:**
   i) Digital Image Processing
   ii) Medical Imaging
   iii) Nature Inspired Optimization Algorithms