Summary of Ph. D. progress during July-2017 to April-2022

Name: Pooja J. Shah

Registration Date: 21st July 2017

Registration No: FOTE/945

Title: Medical Diagnosis of Breast Tumor Using Kernel Machines

List of papers published/communicated in journals:

i. Pooja J. Shah, Trupti P. Shah, "The Ultimate Kernel Machine for Diagnosis of Breast Cancer", International Journal of Applied Pattern Recognition, 2022, Vol. 7, No. 1, Pp. 1-14. (Listed in UCG Care and Web of Science, ISSN- 2049-887X)

ii. Pooja Shah, Trupti Shah, "Identification of Breast Tumor Using Hybrid Approach of Independent Component Analysis and Deep Neural Network", International Journal of Intelligent Systems and Applications In Engineering, 2021, Vol. 9, No. 4, Pp. 209-219 (Listed in Scopus, ISSN-2147-6799).

iii. Pooja J. Shah, Trupti P. Shah, "Regularized Deep Neural Network in Identification of Breast Cancer", Solid State Technology, 2020, Vol. 63, No. 6, Pp. 22704-22713 (Published by organizers of conference as mentioned below).

iv. Pooja J. Shah, Trupti P. Shah, "A Hybrid Approach of Adaptive Neuro Fuzzy Inference System and Novel Relief Algorithm in Breast Cancer Detection" in "Journal of Advances in Engineering Sciences and Applied Mathematics" (Under communication).

v. Pooja J. Shah, Trupti P. Shah, "Ensemble Based Lasso Ridge Radial Basis Function Network in Diagnosis of Breast Cancer" in "Bulletin of Mathematical Sciences" (Under communication).

＋ List of papers presented in conferences:

i. "Diagnosis of Breast Cancer by Using Artificial Neural Network", at a two days' National conference on STEM (Science, Technology, Engineering and Mathematics), held on September 27-28, 2019, at G. H. Patel college of Engineering & Technology (GSET), Vallabh Vidhyanagar, Gujarat, India.

ii. "Diagnosis of Breast Cancer by Using Support Vector Machine", at the second International Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2019), held on December 21-22, 2019, organized by department of Applied Sciences (Mathematics), Galgotias College of Engineering & Technology, Greater Noida, U.P., India.

iii. "Regularized Deep Neural Network in Identification of Breast Cancer", at 2nd International conference (Digital) On research and Innovations In Science, Engineering & Technology, ICRISET-2020, held on September 4-5, 2020, held at Birla Vishvakarma Mahavidyalaya Engineering College, Vallabh Vidyanagar, Gujarat, India.

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