

FACULTY PROFILE



Name: Dr. Saif Nalband

Highest Education Qualification: PhD

Institute name: Birla Institute of Technology & Science, Pilani

Teaching Subjects: Analysis and Design of Algorithm, Data structure

Research areas of interest: Developing machine learning model for medical diagnosis

Primary contact:

Official email: saif.nalband2020@gmail.com

Publications (best 5):

| # | Authors; Title; Journal; Vol; No; Pages; Year of Publication |
|----|--|
| 1. | Saif Nalband , Aditya Sundar, A Amalin Prince, Anita Agarwal, “Feature selection and classification methodology for the detection of knee-joint disorders”, <i>Computer methods and programs in biomedicine</i> , Vol: 127, Pages: 94-104, 2016 |
| 2. | Saif Nalband , RR Sreekrishna, A Amalin Prince, “Analysis of knee joint vibration signals using ensemble empirical mode decomposition”, <i>Procedia Computer Science</i> , Vol:89 Pages:820-827 , 2016. |
| 3. | Saif Nalband , Amalin Prince, Anita Agrawal, “Entropy-based feature extraction and classification of vibroarthrographic signal using complete ensemble empirical mode decomposition with adaptive noise”, <i>IET Science, Measurement & Technology</i> , Vol: 12, Pages:350-359, 2017 |
| 4. | Saif Nalband , CA Valliappan, A Amalin Prince, Anita Agrawal, “Time-frequency based feature extraction for the analysis of vibroarthrographic signals”, <i>Computers & Electrical Engineering</i> , Vol: 69, Pages: 720-731. 2018 |
| 5. | Sumit A Raurale, Saif Nalband , Geraldine B Boylan, Gordon Lightbody, John M O’Toole, “Suitability of an inter-burst detection method for grading hypoxic-ischemic encephalopathy in newborn EEG” |