Praveenkumar Shetty is currently working as Director, Research Nitte (Deemed to be Universty) and Professor of Biochemistry in KS Hegde Medical Academy under Nitte. Dr. Shetty has Twenty five years of experience in teaching Medical Biochemistry to PhD, Medical, Dental and Physiotherapy graduate and post graduate students in India and USA. He was the co-ordinator, BiSEP, Dept. of IT/BT, Government of Karnataka and Visiting Professor of Graduate School of BioMedical Sciences, UNT Health Science Center at Fort Worth, Texas, USA. He has completed his Post-Doctoral studies in University of Texas Health Science Center at Tyler, Texas, USA and University North Texas Health Science Center at Fort Worth, Texas, USA. His Post-Doctoral research activities mainly include molecular mechanisms of the fibrinolytic components (uPA, uPAR, PAI-I) in lung cancer and other lung disorders, Purification and characterization of mRNA binding proteins. His group has identified the novel role of p53 as a mRNA binding protein and its role in the regulation of uPA, uPAR and PAI-I and studied the regulation of fibrinolytic components in different animal models like Lung injury (Bleo) infection (Anthrax and Flu) and cancer. During his stint in UNTHSC, studied the expression analysis of various biomarkers in Breast cancer and Prostate Cancer. After coming back to India, he has established collaboration with many research centers in India and abroad. Currently he is working on multiple projects like Triple negative Breast Cancer, prostate cancer (miRNA) biomarkers, Limbal Stem Cell ex vivo growth and characterization, Rheumatoid Arthritis and Alzheimers Disease. Dr. Shetty's Medical Biochemistry expertise, his overseas exposure and association with various clinicians has made him try some translational work like ex-vivo growth, characterization and transplantation of limbal stem cells (Ophthalmology), melanocytes in vitiligo patients (Collaboration with Dermatology), Chondrocyte extraction and characterization (Orthopaedics), Synovial fibroblast extraction, growth and delineation of molecular mechanism in Rheumatoid Arthritis, Whartons jelly stem cell extraction, growth and characterization, Screening of novel organic molecules, PLGA nanoparticle formulation and characterization and Metabolic Disorders-Screening and further work up. He has completed many Extramural Research projects from Cancer Research Foundation of North Texas, ICMR, DRDO, DST-SERB, VGST, DBT, Rheumatoid Arthritis Research Foundation and Rajiv Gandhi University Health Sciences. Currently he has many ongoing projects from ICMR and DBT in Stem cell Biology, Rheumatology and Inborn Error Screening. He has more than 100 peer reviewed *publications in high impact factor Research journals.*