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(54) Title of the invention : SYSTEM AND METHOD FOR SCREENING AND AUTOMATIC DIAGNOSIS OF DIABETIC FOOT DISEASE

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(57) Abstract :
The present disclosure provides a system for screening and automatic diagnosis of diabetic foot disease (100) using thermal plantar images of right and left feet of a patient. The system (100) includes one or more image sensors (102) configured to capture a set of images of feet of a patient, the set of images being transmitted to one or more processing units (104) through one or more communication networks (106). The one or more processing units (104) are enabled to perform training and testing of an automatic diagnosis generation functionality pertaining to diabetic foot disease using the set of images. The one or more processing units are configured to transmit the diagnosis and analysis of the set of images and a set of features extracted from the set of images to one or more output units (108) and one or more servers (112) based on user inputs received by one or more input units (110).

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