

(54) Title of the invention : MACHINE LEARNING CLASSIFIER ON CHRONIC KIDNEY DISEASE

<p>(51) International classification :G06F18/213, G06F18/24, G06N20/00, G06N20/10, G06N3/02, G06N3/08, G16H50/30</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)K. Jayanthi Address of Applicant :SRM Institute of Science and Technology, Tiruchirappalli, Tamilnadu, 621105 -----</p> <p>2)Dr Potu Narayana</p> <p>3)Ravikumar Ch</p> <p>4)K Raghavendar</p> <p>5)Dr. Garalapati Narayana</p> <p>6)K. Radha</p> <p>7)Ch. Divya,</p> <p>8)Bandla Ramesh</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)K. Jayanthi Address of Applicant :SRM Institute of Science and Technology, Tiruchirappalli, Tamilnadu, 621105 -----</p> <p>2)Dr Potu Narayana Address of Applicant :Stanley College of Engineering and Technology for Women Fateh Maidan, Abids, Hyderabad, Telangana, 500001 -----</p> <p>3)Ravikumar Ch Address of Applicant :Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana, 500075 -----</p> <p>4)K Raghavendar Address of Applicant :Teegalakrishna Reddy Engineering College, Meerpet, Saroornagar, Hyderabad, Telangana, 500097 -----</p> <p>5)Dr. Garalapati Narayana Address of Applicant :Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Telangana, 500075 -----</p> <p>6)K. Radha Address of Applicant :St. Martin,s Engineering College, Dulapally, Kompally, Secunderabad, Telangana, 500014 -----</p> <p>7)Ch. Divya Address of Applicant :St. Martin,s Engineering College, Dulapally, Kompally, Secunderabad, Telangana, 500014 -----</p> <p>8)Bandla Ramesh Address of Applicant :St. Martin,s Engineering College, Dulapally, Kompally, Secunderabad, Telangana, 500014 -----</p>
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(57) Abstract :

Chronic Kidney Disease (CKD) is a type of chronic disease which means it happens slowly over a period of time and persists for a long time thereafter. It is deadly at its end stage and will only be cured by kidney replacement or regular dialysis which is an artificial filtering mechanism. It is important to identify CKD at the early stage so that necessary treatments can be provided to prevent or cure the disease. The main focus in this paper is on the classification techniques, that is, tree-based decision tree, random forest, and logistic regression has been analyzed. Different measure has been used for comparison between algorithms for the dataset collected from standard UCI repository.

No. of Pages : 10 No. of Claims : 5