

ISSN Print: 2074-9007, ISSN Online: 2074-9015
Volume 17, Number 1, February 2025

International Journal of

Information Technology and Computer Science

Vol. 17

No.1 Feb. 2025

IJITCS **Vol.17**

[Http:// www.mecs-press.org](http://www.mecs-press.org)

Vol.17 No.1 February 2025



Contents

REGULAR PAPERS

Machine Learning based Wildfire Area Estimation Leveraging Weather Forecast Data <i>Saket Sultania, Rohit Sonawane, Prashasti Kanikar</i>	1
Study of Open-source Software Adoption Strategy in E-government: Madinah Development Authority <i>Salma M. Elhag</i>	16
Assessment of Knowledge and Utilization of Computers Among Healthcare Workers in Benue South, Nigeria <i>Temidayo Oluwatosin Omotehinwa, Augustine Ovie Edegbene, Oga Ode</i>	26
Fuzzy Hybrid Meta-optimized Learning-based Medical Image Segmentation System for Enhanced Diagnosis <i>Nithisha J., J. Visumathi, R. Rajalakshmi, D. Suseela, V. Sudha, Abhishek Choubey, Yousef Farhaoui</i>	47
Modelling Misinformation in Swahili-English Code-switched Texts <i>Cynthia Amol, Lilian Wanzare, James Obuhuma</i>	67
NIPP: Non-Invasive PCOS Prediction using XG-boost Machine Learning Model <i>Shikha Prasher, Leema Nelson, Manal Gafar</i>	82
An Accented Character-based Captcha System with Usability Test Using Solving Time and Response Time <i>Olanrewaju O. T., Omilabu A. A., Nwufoh C. V., Adewale F. O., Osunade O.</i>	96
