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Sustainable Healthcare for Women: Are Computational Platforms up to the task

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Abstract Statement of the Problem: India is a vast country with complex socio-economic characteristics that are reflected in its medical systems. These include an insufficient number of primary care doctors practicing in rural and semi-urban areas and consequently about 70% of the population that lives in rural areas, in particular women, have limited access to adequate health care. This is further compounded by the fact that out-ofpocket expenditure constitutes around 80% of the total healthcare spending. This is a matter of grave concern as Health in India stands at a paradoxical juncture. Methodology & Theoretical Orientation: We believe that the use of Information and Communication Technologies (ICT) for health has the potential to improve all these areas that is to facilitate access to quality health care as well as health information to women to improve the quality of health-related data, as evidenced in other Low-and-Middle- Income countries. Findings: The adoption of Intelligent Decision Support Systemsbased delivery of health-related services not only involves remote participation enabling the timely diagnosis to prevent mis-or-missed diagnosis. Mobile based smart communications technology has deep penetration in rural India and could serve as a crucial adjunct clinical aid in saving people's lives. Conclusion & Significance: Further, the computational platform could also be prospected to develop a novel triage for assigning women patients in the order of disease severity along with dynamic and automated clinical-resource allocation to provide best quality health services at a competitive price.

Biography

Prof. Priya Ranjan is a Professor at Bhubaneswar Institute of Technology, India. He has demonstrated expertise in improving the health and wellbeing of individuals using AI-enabled innovative interventions which can be further deployed in remote areas using minimum healthcare infrastructure. His open and contextual evaluation model based on responsive constructivists creates new pathways for improving healthcare. He has specialization in Networking, Delays, Delay Differential Equation, Nonlinear Dynamics, Sensor Networks, Software, Hardware, Testing of safety devices in mines, Mathematics, Website Management, Design, Update, News Management, Community relations, outreach etc.