

REVIEWER'S REPORT

Manuscript No.: IJAR-54561

Title: SOLECARE : DESIGN AND DEVELOPMENT OF A SMART WEARABLE SHOE WITH INTEGRATED SENSOR SYSTEM TO DETECT AND WARN DIABETIC NEUROPATHY

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality	Excellent			
Clarity	Excellent			
Significance		Good		

Reviewer Name: Dr.Sumathi

Detailed Reviewer's Report

1. Solecare can refer to a specific brand of foot cream for cracked and dry heels or a mobile foot care service that provides in home foot care to seniors and others.
2. Integrated sensor systems to detect and warn of diabetic neuropathy use a combination of sensors to measure various physiological factors.
3. Some devices use sensors to monitor foot pressure and temperature over time, which can indicate early signs of neuropathy and high risk areas for ulcers.
4. Diabetic neuropathy is a complication of diabetes that damages the nerves, typically in the hands, feet, legs, and arms.
5. It occurs when high blood sugar levels over time damage the blood vessels that nourish the nerves.
6. Designing and developing a smart wearable shoe involves a multi step process, starting with research and sketching, followed by material selection and prototyping.

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

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- 7. Key to its function are the embedded sensors, such as pressure, inertial and temperature sensors, and a microcontroller to process data.**
- 8. There is no keywords to understand the research topic. It must be added.**
- 9. Review of literature part is awesome!**
- 10. There is no separate result and discussion part. Must be given.**
- 11. Summary points must be included.**
- 12. Significant point of flow chart can be given.**
- 13. References should be in alphabetical order.**
- 14. Pictures are good to understand.**
- 15. After those corrections good to publish in your journal.**