Accepted Manuscript

Optimal Design of Shewhart-Lepage type Schemes and Its Application in Monitoring Service Quality

Amitava Mukherjee, Rudra Sen

 PII:
 S0377-2217(17)30803-2

 DOI:
 10.1016/j.ejor.2017.09.013

 Reference:
 EOR 14691

To appear in: European Journal of Operational Research

Received date:1 February 2017Revised date:8 August 2017Accepted date:10 September 2017

Please cite this article as: Amitava Mukherjee, Rudra Sen, Optimal Design of Shewhart-Lepage type Schemes and Its Application in Monitoring Service Quality, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.09.013

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Highlights:

- Generalized nonparametric Shewhart-Lepage chart for joint monitoring is introduced
- Optimal implementation strategy and applications of the proposed chart is discussed
- The new scheme displays exceptional performance in detecting complex process shifts
- Post signal follow-up procedures to identify the nature of shifts is addressed

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