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## A scientifically efficient approach for uniform evaluation of Physics practicals using software embedded and improvisation-based system at Doornfontein Campus of the University of Johannesburg

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### Abstract content <br> (Max 300 words)

Physics practical work at universities is traditionally evaluated on the basis of a laboratory report of the activities characterising a particular experiment. This form of evaluation generally puts a learner under considerable pressure in view of the required language proficiency as an additional aspect considered during the evaluation of the report for which penalties might be incurred. Hence, this article outlines how a Physics practical could be evaluated using software-assisted evaluation system based on a report which does not require language proficiency. The experimental report in this regard specifically encapsulates activities whose nature is described in terms of figures, graphs and drawings. The underlying theoretical knowledge associated with the experiment is provided as part of a detailed user-friendly experimental procedure.

### Apply to be<br> considered for a student <br> award (Yes / No)?

No

### Level for award<br>(Hons, MSc, <br> PhD)?

N/A

### Main supervisor (name and email)<br>and his / her institution

N/A

### Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?

Yes

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