

SMART Value-added Model for Reinventing Engineering Education

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Abstract: *Engineering colleges are embracing or in the process of embracing e-learning and info-communication technologies (ICTs) for delivering curriculum. Several smart platforms and software solutions are making inroads into growing education market. Problem-based Learning, Blended Learning and Collaborative Learning have also been proposed and selectively incorporated by engineering colleges and institutions. What educational model can tune in with insatiable learning demands of the modern globalised world? Smart cities are being conceptualised by many nations as an integrated part of the globalised world which is expected to change dynamics of education models. Recently, the government of India has also announced plans to set up hundred smart cities. Therefore, wouldn't it be prudent to explore macro as well as micro level changes in the current education system if it were to be reviewed, restructured and redesigned for smart cities of the modern globalised world? In view of such developments, SMART value added education model was conceptualised. The SMART value-added attributes of the proposed model are identified, redefined and discussed in this presentation. An idealism of globalised mind set and lifestyles has also been incorporated in the proposed SMART value-added educational model. The proposed SMART value-added model is envisaged to resonate with the long term educational needs and developments of smart cities of the modern globalised world.*

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