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City University of Hong Kong

Filmovation :Creative Mini-movie Platform for Ethics Education to Engineering Students
/ Industries

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Abstract:

The trust placed for the engineers by clients and the industry must never be taken for granted. The responsibility for ethical behavior must be taken seriously — by everyone, at every level of the organization. While the inherent risks in our industries, the potential for business failure, or the possibility of human mistakes cannot be entirely eliminated, our engineering professionals can, should, and must be required to conduct themselves honestly, and in accordance with applicable professional standards. Ethics has become an increasingly important issue within engineering as the profession has become progressively more complex. The need to integrate ethics into any engineering curriculum (not only Civil and Construction Engineering, and also manufacturing, etc.) is well documented, as education does not often sufficiently prepare engineers for the ethical conflicts they experience. Recent research indicates that there is great diversity in the way institutions approach the problem of teaching ethics to undergraduate engineering students; some universities require students to take general ethics courses from philosophical or religious perspectives, while others integrate ethics in existing engineering courses. The purpose of the proposed platform (Film + Innovation) = Filmovation, a series of Ethics Mini-movies is to propose a video-on-web platform to implement the integration of ethics in engineering education that is pedagogically based on Kohlberg's stage theory of moral development. Based on the proposed DEC training workshops in tutorials and lectures, and making uses with the



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developed resources of the Ethics Educational Material (developed by the project team), one crossdiscipline

Filmovation 2020 : Competition of Best Ethics Mini-movies will be held at 2018-2019 or 2019-2020 and open for all engineering students at CityU. The final product can be delivered with the 3 helps with Hong Kong Institutes of Engineers (HKIE), HKICA and ICAC to the whole construction & civil engineering curriculum and the industry!