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ScienceDirect

Procedia CIRP 00 (2021) 000–000

www.elsevier.com/locate/procedia

54th CIRP Conference on Manufacturing Systems

A Hybrid Teaching Factory Model for Supporting the Educational Process in COVID-19 era

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Abstract

The lockdown due to SARS-CoV-2 (COVID-19) pandemic forced both educators and students to swift and rely on digital technologies in order to ensure the successful completion of modules based on the official curriculum. Universities are still facing the challenging issue to offer high quality learning opportunities without risking participants` health. Towards that end, the current study presents a Hybrid Model under the Teaching Factory framework concept that has been successfully implemented and validated. In a hybrid laboratory case study, Engineering students guided remotely laboratory personnel towards a successful manufacture and assembly of a customized remote-control car. Benefits and boundaries of the current approach are discussed along with future perspectives.

Keywords: Hybrid Model; Teaching Factory Model; Education Process; COVID-19; SARS-CoV-2