

GENERAL TECHNICAL PERSONNEL PREPARATION USING STUDYING AND PRODUCTION UNION OF UNIVERSITIES

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Abstract. Changing labor conditions and occupation content in the Industry 4.0 companies led today to the personnel qualification requirements reconsideration. To prepare new and to re-shape the existing industry specialists must be done in smart factories, which are integrated with studying and production unions of universities. A smart factory extended model provides the personnel acquiring of the discrete production project activity practical experience. The studying and production union of universities education environment may help students to realize themselves in an artful way and improve the personnel acquisition of the intellectual system application knowledge and skills realized as plant modules, which are identical to the real production equipment. The education environment provides for students the real modules of cross-platform working stations and tools, which let students actively influence the discrete production operation and economic indications. The skills honing in production training facilities in safe technological environment is the Industry 4.0 ideology legacy to the Education 4.0. There is a scheme of science and production union of universities infrastructure, which is used to study special disciplines of the ply-technical base.

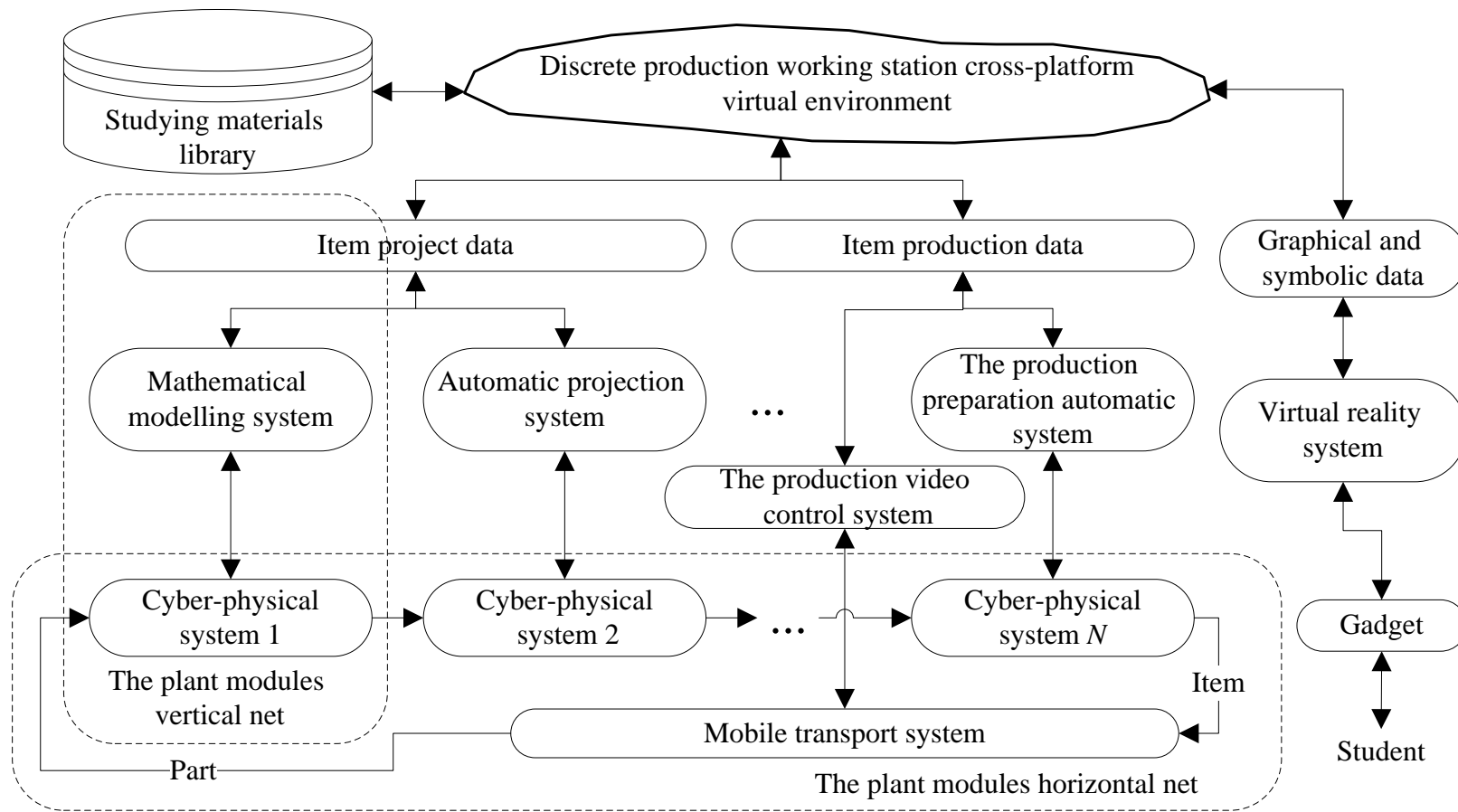


Figure 1. The Industry 4.0 company SPUU infrastructure scheme.