



Actividades prácticas del grupo GEIO automatizadas en la Celda de Manufactura Flexible [

2014

text (article)

Analítica

The article sets out the results of a project that sought to establish the articulation of the research carried out by the Laboratory of Flexible Manufacturing and the Operations Research Teaching Group (Spanish acronym, GEIO), belonging to the School of Industrial Engineering - Technological University of Pereira. Its main objective consisted of allowing the students to use research spaces where they could generate work to facilitate the inter-relationship and application of concepts reviewed in various subject areas. To reach this objective, an adaptation was made to the games generated by the GEIO group, through the use of automated centers and the specialized software of the flexible manufacturing laboratory, thus creating exercises where the benefits offered by the game were brought together in a systemic manner, such as its application, contextualization, viability of concepts, and those offered by the flexible manufacturing cell, such as the automation of processes, use of the programming language, and use of technologies to improve production systems. The integration of these knowledge-generating spaces contributed to the training of industrial engineering students in technical skills, since they were able to take part in a basic, barely-automated production process of a micro world generated through game play, and take it to a professional and technological level, mechanizing it through specialized machinery and tools used in real industries

The article sets out the results of a project that sought to establish the articulation of the research carried out by the Laboratory of Flexible Manufacturing and the Operations Research Teaching Group (Spanish acronym, GEIO), belonging to the School of Industrial Engineering - Technological University of Pereira. Its main objective consisted of allowing the students to use research spaces where they could generate work to facilitate the inter-relationship and application of concepts reviewed in various subject areas. To reach this objective, an adaptation was made to the games generated by the GEIO group, through the use of automated centers and the specialized software of the flexible manufacturing laboratory, thus creating exercises where the benefits offered by the game were brought together in a systemic manner, such as its application, contextualization, viability of concepts, and those offered by the flexible manufacturing cell, such as the automation of processes, use of the programming language, and use of technologies to improve production systems. The integration of these knowledge-generating spaces contributed to the training of industrial engineering students in technical skills, since they were able to take part in a basic, barely-automated production process of a micro world generated through game play, and take it to a professional and technological level, mechanizing it through specialized machinery and tools used in real industries

The article sets out the results of a project that sought to establish the articulation of the research carried out by the Laboratory of Flexible Manufacturing and the Operations Research Teaching Group (Spanish acronym,

GEIO), belonging to the School of Industrial Engineering - Technological University of Pereira. Its main objective consisted of allowing the students to use research spaces where they could generate work to facilitate the inter-relationship and application of concepts reviewed in various subject areas. To reach this objective, an adaptation was made to the games generated by the GEIO group, through the use of automated centers and the specialized software of the flexible manufacturing laboratory, thus creating exercises where the benefits offered by the game were brought together in a systemic manner, such as its application, contextualization, viability of concepts, and those offered by the flexible manufacturing cell, such as the automation of processes, use of the programming language, and use of technologies to improve production systems. The integration of these knowledge-generating spaces contributed to the training of industrial engineering students in technical skills, since they were able to take part in a basic, barely-automated production process of a micro world generated through game play, and take it to a professional and technological level, mechanizing it through specialized machinery and tools used in real industries

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzM4Mzg0Nzc>

Título: Actividades prácticas del grupo GEIO automatizadas en la Celda de Manufactura Flexible electronic resource]

Editorial: 2014

Tipo Audiovisual: Automatización celda de manufactura flexible enseñanza laboratorios lúdica prácticas de laboratorio Automation flexible manufacturing cell teaching laboratories games laboratory practices Automatização célula de manufatura flexível ensino laboratórios atividade lúdica práticas de laboratório

Documento fuente: Entramado, ISSN 1900-3803, Vol. 10, N°. 1, 2014, pags. 340-352

Nota general: application/pdf

Restricciones de acceso: Open access content. Open access content star

Condiciones de uso y reproducción: LICENCIA DE USO: Los documentos a texto completo incluidos en Dialnet son de acceso libre y propiedad de sus autores y/o editores. Por tanto, cualquier acto de reproducción, distribución, comunicación pública y/o transformación total o parcial requiere el consentimiento expreso y escrito de aquéllos. Cualquier enlace al texto completo de estos documentos deberá hacerse a través de la URL oficial de éstos en Dialnet. Más información: <https://dialnet.unirioja.es/info/derechosOAI> | INTELLECTUAL PROPERTY RIGHTS STATEMENT: Full text documents hosted by Dialnet are protected by copyright and/or related rights. This digital object is accessible without charge, but its use is subject to the licensing conditions set by its authors or editors. Unless expressly stated otherwise in the licensing conditions, you are free to linking, browsing, printing and making a copy for your own personal purposes. All other acts of reproduction and communication to the public are subject to the licensing conditions expressed by editors and authors and require consent from them. Any link to this document should be made using its official URL in Dialnet. More info: <https://dialnet.unirioja.es/info/derechosOAI>

Lengua: Spanish

Enlace a fuente de información: Entramado, ISSN 1900-3803, Vol. 10, N°. 1, 2014, pags. 340-352

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es