Project work form –
Designing automatic cable reel for Fanuc teach pendant

<table>
<tr><td colspan="2">Title: Designing automatic cable reel for Fanuc teach pendant</td><td>Project work - ID:
MEI-072</td></tr>
<tr><td colspan="3">Aim of the project work: The aim of the project work to design automatic cable reel for 10m length cable of a M-10iA controller’s teachpandant. The Fanuc manipulator is working in a production facility of Becton Dickinson Hungary Kft. at Tatabánya. To accopmlish the work the 3D model and the drawings must be made. Prefered design software: Autodesk Inventor 2020 or earlier version.</td></tr>
<tr><td>Topic Announcer:</td><td colspan="2">Szilágyi Eszter (BD Medical - Automation Engineer), Varga Bence (OE-BGK-MEI, Department Engineer)</td></tr>
<tr><td>Supervisor(s):</td><td colspan="2">Varga Bence</td></tr>
<tr><td>Contact</td><td colspan="2">tel.: +36-1-666-5395, varga.bence@bgk.uni-obuda.hu,</td></tr>
<tr><td>Group size: (min./max.):</td><td colspan="2">3-5 person
The project work is not available under 3 applicants.</td></tr>
<tr><td>Available resources:</td><td colspan="2">—</td></tr>
<tr><td>Required resouces:</td><td colspan="2">—</td></tr>
<tr><td>Budget:</td><td colspan="2">—</td></tr>
<tr><td>Precondition(s):</td><td colspan="2">Mandatory: Knowledge in Autodesk Inventor</td></tr>
<tr><td rowspan="6">Schedule:</td><td>1.-2. weeks</td><td>Getting familiar with the clint’s specifications and checking different solution available on the market.</td></tr>
<tr><td>3.-4. weeks</td><td>Creating different suggestions for the solutions and simple sketches.</td></tr>
<tr><td>5.-6. weeks</td><td>Creating first 3D models.</td></tr>
<tr><td>7.-9. weeks</td><td>Creating different simultaions for the analysis of mechanism.</td></tr>
<tr><td>10.-13. weeks</td><td>Finishing the 3D models and creating the drawings.
Creating cost analysis</td></tr>
<tr><td>14.-15. weeks</td><td>Submitting the documentation, presentation and evaluation of the design.</td></tr>
<tr><td colspan="3">Comments:
Both mechanical and mechatronical engineers can apply for the project work.
Hight qulity work and documentations is rewarded by the company.</td></tr>
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