

**Project work form –
Modification/ redesign of a 3D printed cover for a gripper of a Fanuc robot**

Title: Modification/ redesign of a 3D printed cover for a gripper of a Fanuc robot		Project work - ID: MEI-074
Aim of the project work: The aim of this work is to modify/ redesign a 3D printed cover for a Fanuc manipulator at Becton Dickinson Hungary Kft. (BD Medical) production facility at Tatabánya. The manipulator is working on a production line in a palettizing application. To accomplish the work the 3D model (in original and STEP extension) and the drawings must be made. Preferred design software: Autodesk Inventor 2020 or earlier version.		
Topic Announcer:	Szilágyi Eszter (BD Medical - Automation Engineer), Varga Bence (OE-BGK-MEI, Department Engineer)	
Supervisor(s):	Varga Bence, Felker Péter	
Contact	tel.: +36-1-666-5395, varga.bence@bgk.uni-obuda.hu , felker.peter@bgk.uni-obuda.hu	
Group size: (min./max.):	3-5 person The project work is not available under 3 applicants.	
Available resources:	—	
Required resources:	—	
Budget:	—	
Precondition(s):	Mandatory: <i>Knowledge in Autodesk Inventor</i> Recommended: Knowledge in design of 3D printed parts	
Schedule:	1.-2. weeks	Getting familiar with the client's specifications and 3D printing technology and design.
	3.-4. weeks	Creating different suggestions for the solutions and simple sketches.
	5.-6. weeks	Creating first 3D models.
	7.-9. weeks	Determine the parameters for the 3D printing technology.
	10.-13. weeks	Finishing the 3D models and creating the drawings.
	14.-15. weeks	Submitting the documentation, presentation and evaluation of the design.
Comments:		
<ul style="list-style-type: none"> • <i>Both mechanical and mechatronical engineers can apply for the project work.</i> • <i>High quality work and documentations is rewarded by the company.</i> 		