

NON- TECHNICAL TASKS

1. There are various shortcomings of Tinkerers' Lab caused by some missing infrastructure in the lab. These issues lie, for example, in the inventory management system, issuing system, and machines utility. The issued items get misplaced and then never get back into inventory. Appliances get damaged by the utilization of students. Suggest what you plan to overcome this issue. You can give multiple approaches (one is also fine) and their pros and cons. **(In 1-2 Pages)**

Approaches	Pros	cons
<ul style="list-style-type: none"> • Keeping a digital record/database of issued items and appliance use, Also issuing a digital ID for frequent visitors and borrowers in the system to ease the process for them . (self entry system). • Creating a Whatsapp bot that will send reminders to return the items if the item is not returned long after the promised time • Gamify the issuing/borrowing system like credit card - if you borrow and return your item on time with any damage you get bonus points in your digital account. (many studies suggest that these digital reward are highly effective) 	<ul style="list-style-type: none"> • Will create a sense of accountability and responsibility among the students • Easy to track the misplaced and lost and forgotten about items and hence improving the efficiency of locating stuff • 	<p>Increases friction for doing things in the lab but eventually it will bring a habitual change among the students</p>
<ul style="list-style-type: none"> • Organizing more short and crisp sessions on how to use the equipment the right way regularly. • Creating or listing short video tutorials on how to use certain tools and machines , along with a faq sheet which can be regularly maintained. 	<ul style="list-style-type: none"> • Informed and trained individuals are far less likely to break stuff. • If people know how to use machines and tools properly this will eventually save their time , empower them to built more projects and keep the interest of tinkering alive with getting frustrated or 	<ul style="list-style-type: none"> • Some people find sessions and tutorials boring; they like to get their hands dirty without knowing the rules.

Approaches	Pros	cons
•	annoyed on machines and tools.	