**Goonj – Problem Statements for Software Hackathon 2019**

Goonj is 20+ years old organization working on utilizing urban material as a tool for development. We are a force of 900 people with work spread across parts of 23 states that has won many national and international awards including the Ramon Magsaysay award 2015 to our founder Anshu Gupta. The work has touched upon some difficult rural development issues like water, sanitation, infrastructure, agriculture, migration apart from sustained work in disaster-hit communities.

Goonj receives almost 4000+ tonnes of material annually (and increasing) from urban population. This material goes through storing, sorting and processing. Sorted material is converted into kits of reusable material. Goonj engages with local communities in far flung areas in rural India to get development work done in their community using their own local resources and manpower. Material packed in kits is used as a parallel currency and is given out as a reward for their efforts.

Do visit our website [www.goonj.org](http://www.goonj.org) to know more.

**Problem – AJ2 Productivity efficiency**

**Productivity Efficiency -** Goonj team operates from 8 offices Pan India. Obtaining global productivity for any task gets challenging and is a tedious exercise. For a task, number of people is involved in its completion. For eg. Sorting of material to form a distributable kit involves number of people, making of a school bag from re-usable material involves different set of people with requisite skills sets.

Give a solution to get productivity for different types of tasks. System should alert on the areas where there are bottlenecks or a delay impacting productivity. This would enable the organization to bring in continuous improvement in productivity and thus help reach more material for rural development.

Goonj creates various types of kits (a bag consisting of items that are of use to people in rural). Likewise people make Sujnis, Aasans, products from material received as contribution from urban population.

Goonj has number of offices pan India, has distributed teams. It is of importance to know the productivity of each work being done.

Here are some of the activities...

* Making of different types of kits (Family, Vaapsi, Office, marriage, School and many others)
* Making a pack of Sanitary pads (a pack contains 10 napkins, undergarment, writeup, disposable bag)
* Sorting and organizing books
* Sorting of n kg of medicines
* Making of Aasan (weaved from shreds of clothes)
* Making of Sujini (made from katrans of cloth pieces into a cover)
* Making of various fancy products from re-usable material
* etc

Provide for entry of such activities for different locations, assign tasks, capture time spent by individuals at a location on these activities. Give a provision for online approval of timesheet.

Productivity reports on various parameters - department, location and activity, for a specified duration.

System should provide for access rights to different roles for eg – Location head, department head, Sr mgmt. Role based visibility of data, reports. Provision to send report via email.

Application should be phone responsive and accessible from anywhere.