

We have created the attached tool for the Automation of The Daily Inventory Report:

Report Creation

Manual Component:

We have created 3 forms for inserting the manual data created daily into dbo.DailyInv table in *** SQL Server Database.

This process will help store daily manual data used for the report generation.

The forms will also add the manual data automatically into the final report generated and sent out.

The image displays three separate data entry forms arranged in a grid. Each form has a light gray background and contains a list of input fields on the left and a 'Show excel' button on the right. The forms are titled 'Add Inventory Details', 'Add County Hosp Details', and 'Add Hospital Details'. The 'Add Inventory Details' and 'Add County Hosp Details' forms each have an 'UpdateIrInv' button at the bottom. The 'Add Hospital Details' form has an 'UpdateHospInv' button at the bottom. The input fields are labeled as follows:

- Add Inventory Details:** O_positive, O_negative, A_positive, A_negative, AB_positive, AB_negative, B_positive, B_negative.
- Add County Hosp Details:** O_positive, O_negative, A_positive, A_negative, AB_positive, AB_negative, B_positive, B_negative.
- Add Hospital Details:** (No specific labels are visible for the input fields in this form).

We have created a VB script to fetch the data from Oracle **** Database and populate the final Report that will be sent out.

This data will also be automatically stored in the UCBA.DailyInv table for future analysis.

We will be scheduling this macro Using Microsoft Task Scheduler; the following steps can be followed for the same:

FYI: We have attached 2 files, MacroLauncher.vbs (Will have details of the macro and needs to be modified), RunMacro.bat (The final run file)

We have used the link : <https://www.thespreadsheetguru.com/blog/how-to-automatically-run-excel-vba-macros-daily>

To automate the same. The Values to be modified:

```
'Input Excel File's Full Path  
ExcelFilePath = "C:\MSBANA\GradCaseStudy\ExtractData.xlsm"
```

'Input Module/Macro name within the Excel File
MacroPath = "Sheet3.ExtractData"

EMAIL of Report:

There are two options here one is we will schedule the EMAIL will report attachment using task scheduler.

I believe the Manual component will not be available in the report in this scenario, so we have given the below option to generate and EMAIL the report:

GENERATE REPORT

GenerateReport

This Macro is available in the **Sheet HospInv**, **once all the manual Records are inserted** using the previous forms, and the daily extract is scheduled at around 06:00 AM early morning,

We have all the data needed to be sent out. So, this Button can be clicked, and it will automatically generate the final report and send it out to the EMAIL list we specify in the **sheet Email**.

Sheet Email: Information to be modified:

PDF

Creation	Name	Daily Inventory Report - 20/03/2020
	Location	C:\MSBANA\GradCaseStudy
	Link	C:\MSBANA\GradCaseStudy\Daily Inventory Report 20-03-2020.pdf
Email Send	To:	*****
	CC:	
	Subject:	Daily Inventory Report - 20/03/2020
	Body	Body of the mail
	PDF Attachment	C:\MSBANA\GradCaseStudy\Daily Inventory Report 20-03-2020.pdf