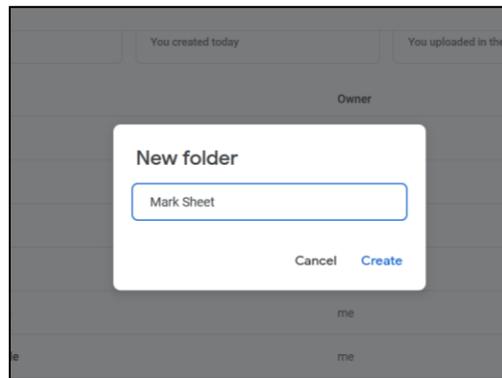
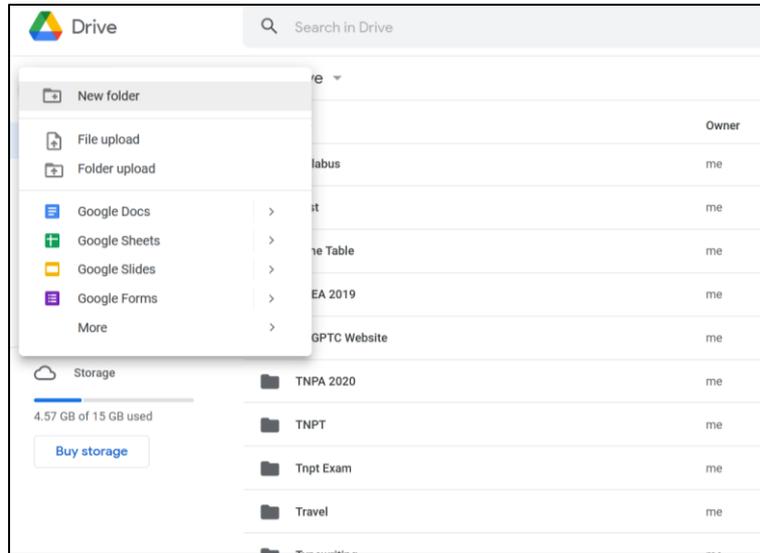


Ex. No 2 SaaS Implementation – Student Mark Sheet Generation

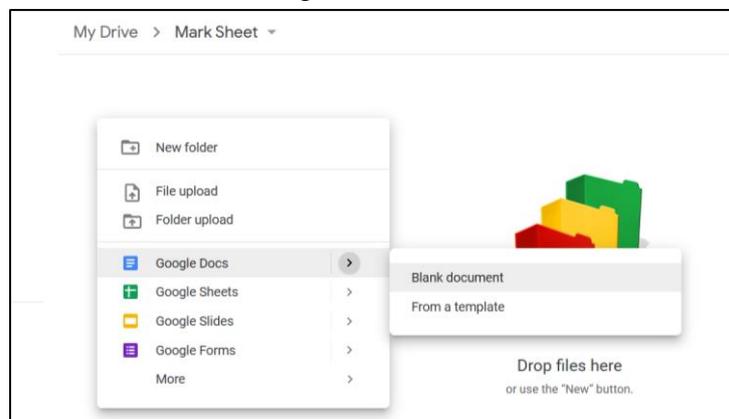
Aim: To implement program on SaaS to Create a spread sheet to generate a mark sheet for student progress report.

Procedure:

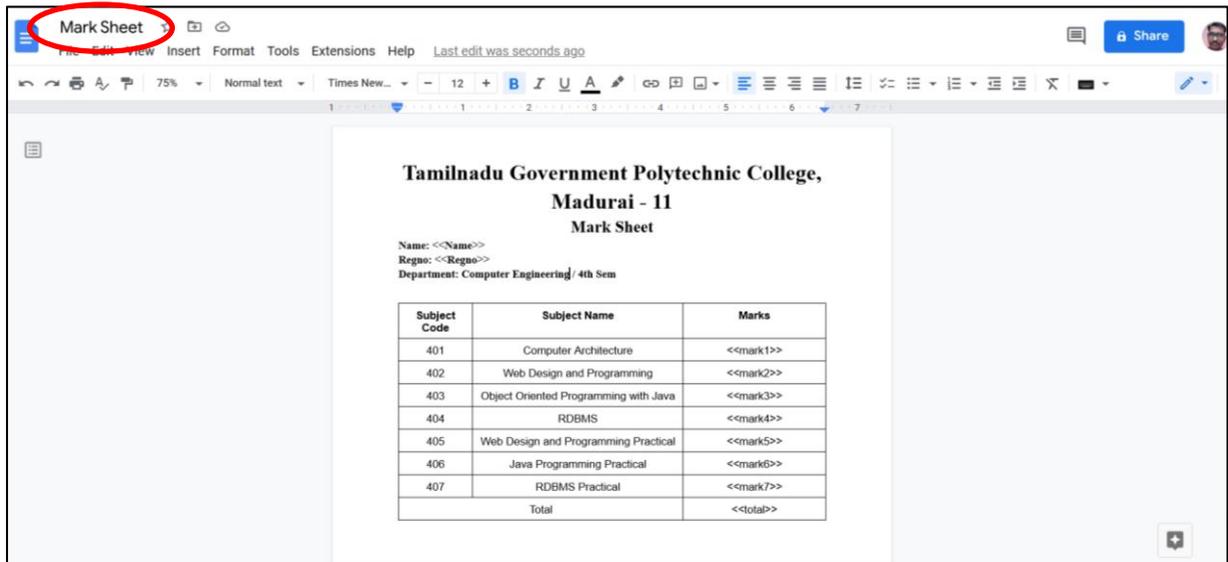
1. Create a new folder “Mark Sheet” in Google Drive.



2. Open the “Mark Sheet” folder and Right Click to create a blank document.

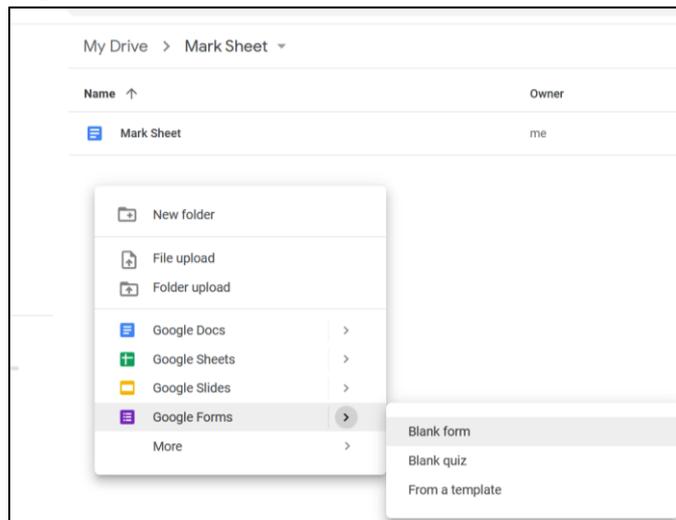


3. Name the Document “Mark Sheet” and Design Mark Sheet Template in the document.

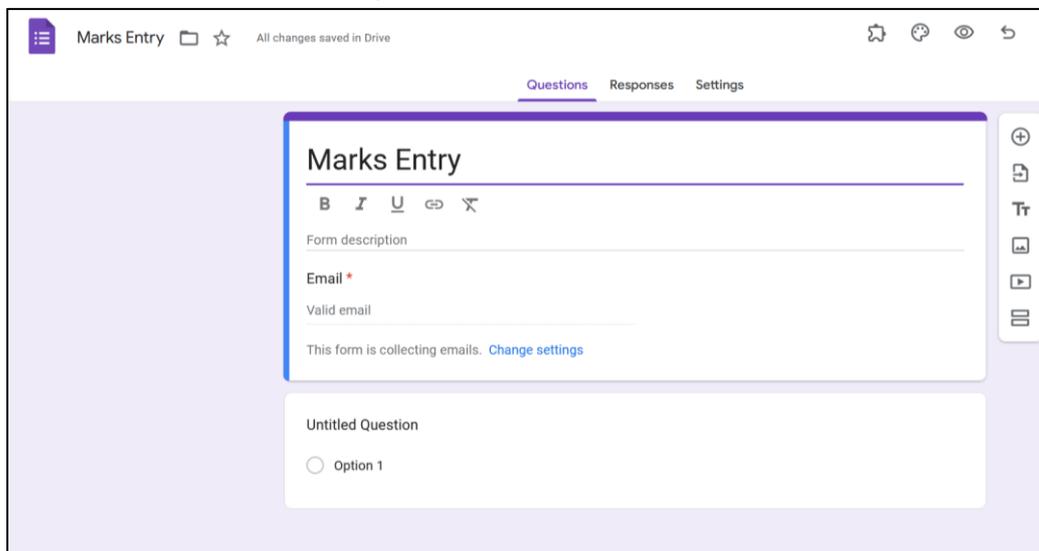


4. Provide data to be filled from the Google Sheet within “<< >>”.

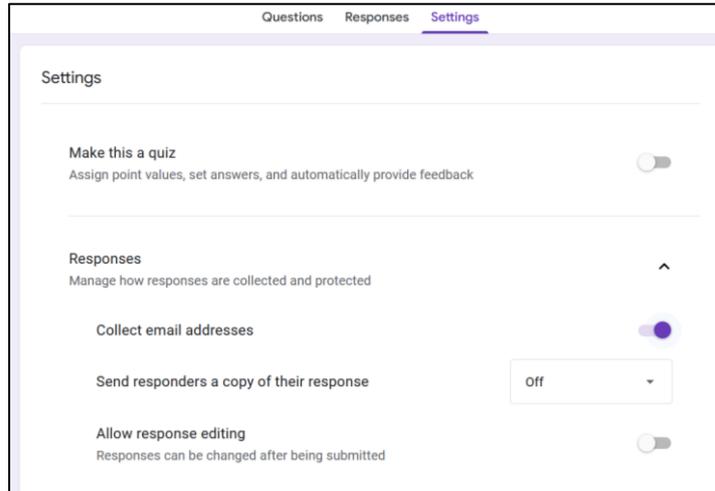
5. Create a blank Google Form in the same folder.



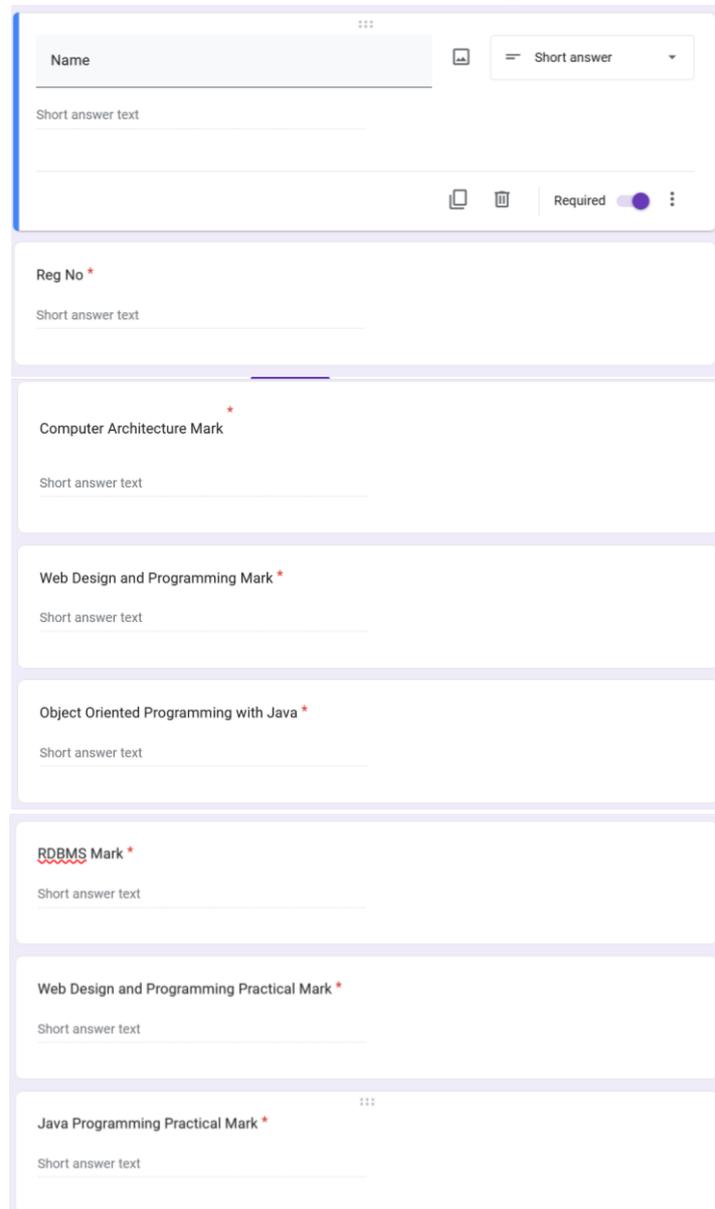
6. Name the Form as “Marks Entry”.



7. Change the settings of the Google Form to collect email Address. Go to Settings>Responses set Collect email addresses to true.



8. Design the Google Form to Collect Student Name, Register Number, Subject Marks and Total.



The screenshot displays a Google Form with the following fields:

- Name**: Short answer text field, required.
- Reg No**: Short answer text field, required.
- Computer Architecture Mark**: Short answer text field, required.
- Web Design and Programming Mark**: Short answer text field, required.
- Object Oriented Programming with Java**: Short answer text field, required.
- RDBMS Mark**: Short answer text field, required.
- Web Design and Programming Practical Mark**: Short answer text field, required.
- Java Programming Practical Mark**: Short answer text field, required.

RDBMS Practical Mark *

Short answer text

Total Marks

Short answer text

Required

9. Mark all the Google Form Entry as Required.

10. Go to Responses and create spread sheet to store the collected student marks details.

Questions Responses Settings

0 responses

Create Spreadsheet

Accepted responses

Waiting for responses

Select response destination

Create a new spreadsheet Marks Entry (Responses) [Learn More](#)

Select existing spreadsheet

Cancel Create

Marks Entry (Responses)

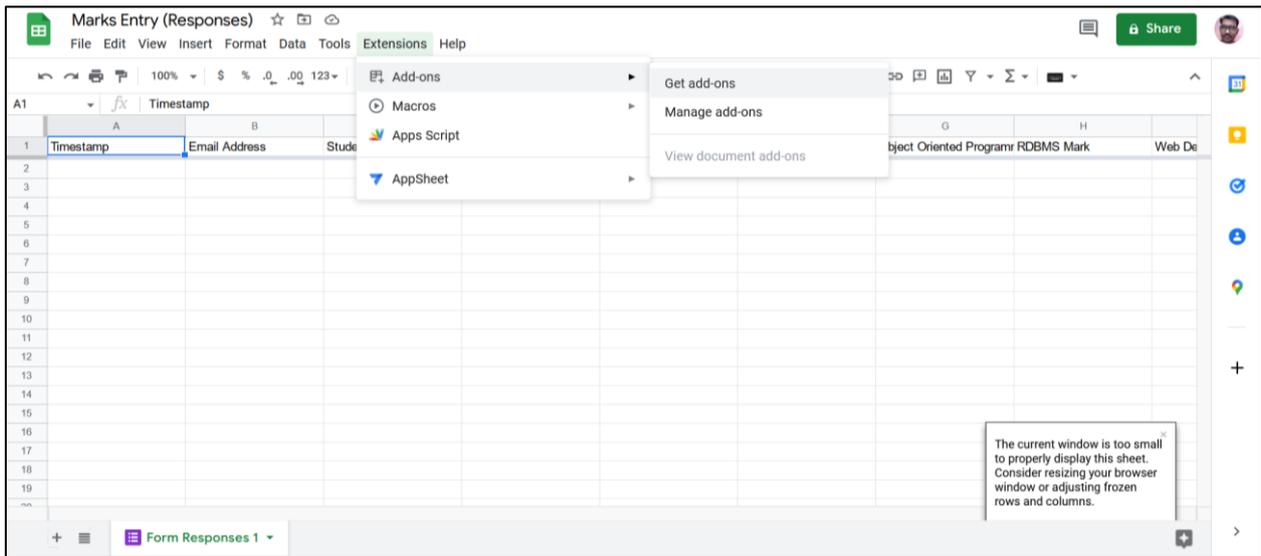
File Edit View Insert Format Data Tools Extensions Help

100% \$ % .0 .00 123 ▾ Default (Ari... 10 B I S A

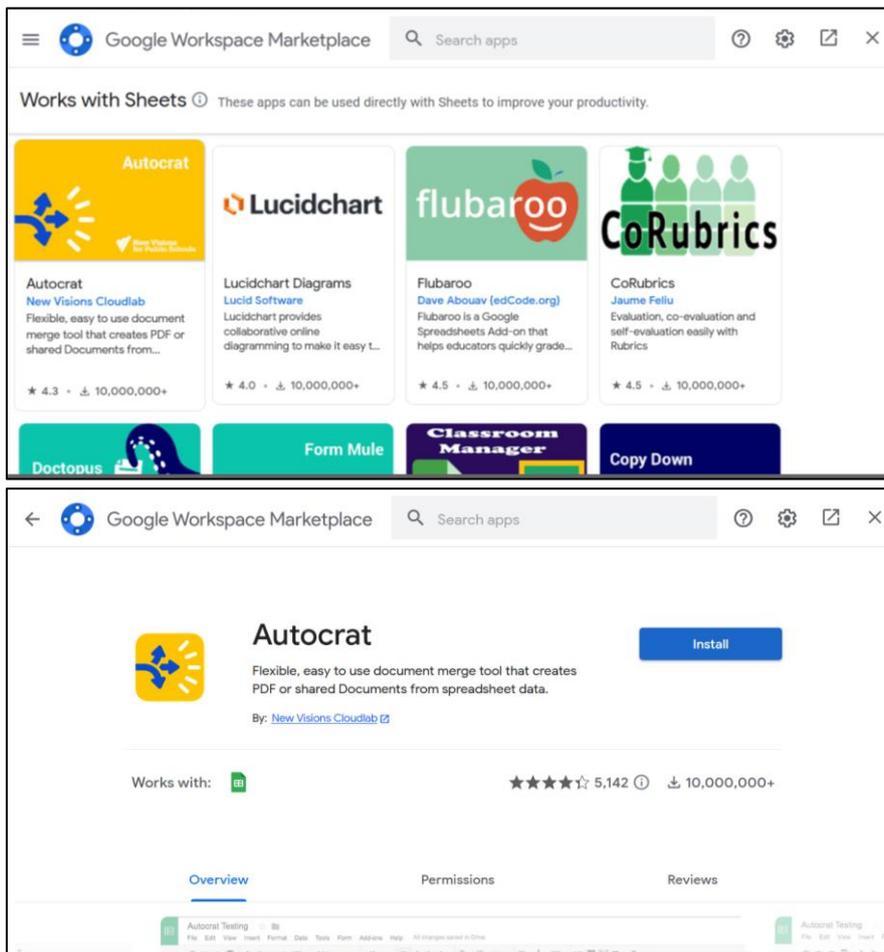
Timestamp	Email Address	Student Name	Reg No	Computer Architecture M: Web Design and Program Object Oriented Program RDBMS Mark	Web De
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Form Responses 1

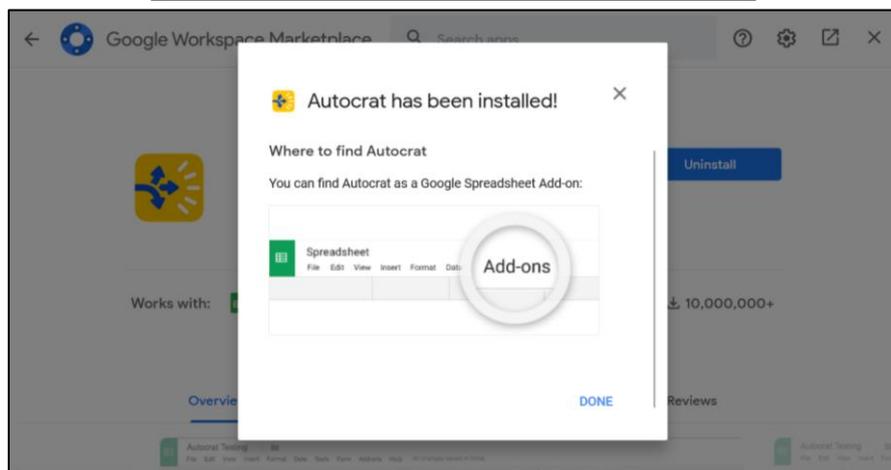
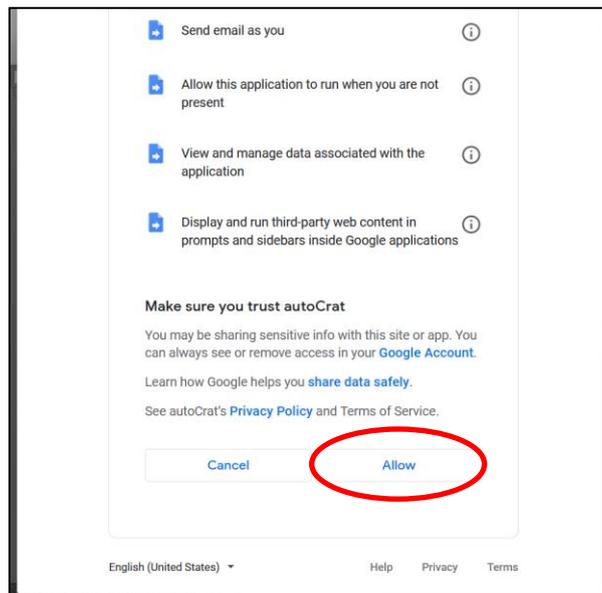
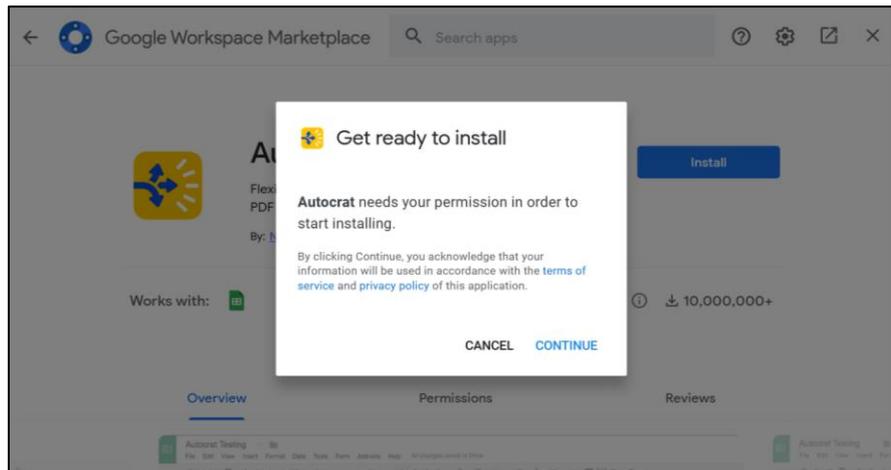
11. Go to Extensions Menu > Add-Ons > Get Add-Ons.



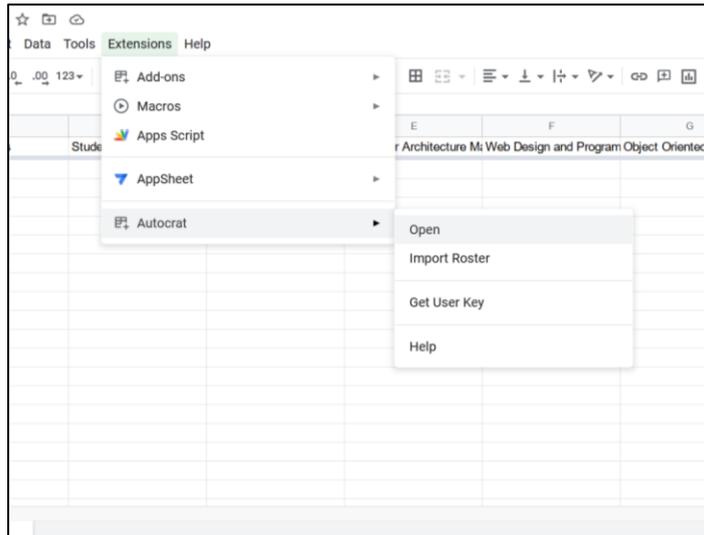
12. Install “Autocrat” Extension.



13. Allow Autocrat Permission to install the extension.



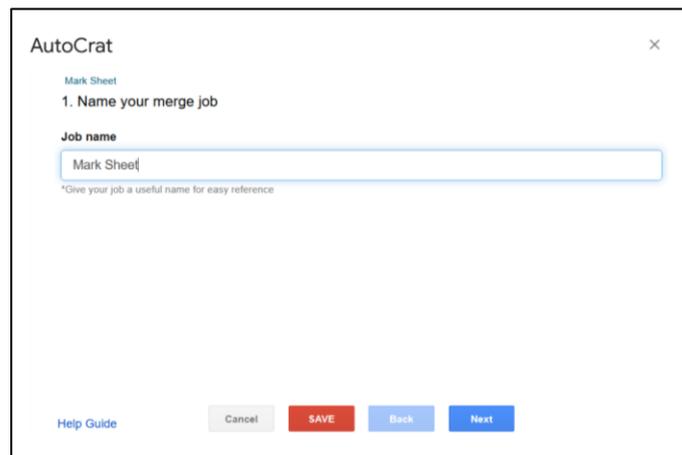
14. Go to Extensions Menu > Autocrat > Open.



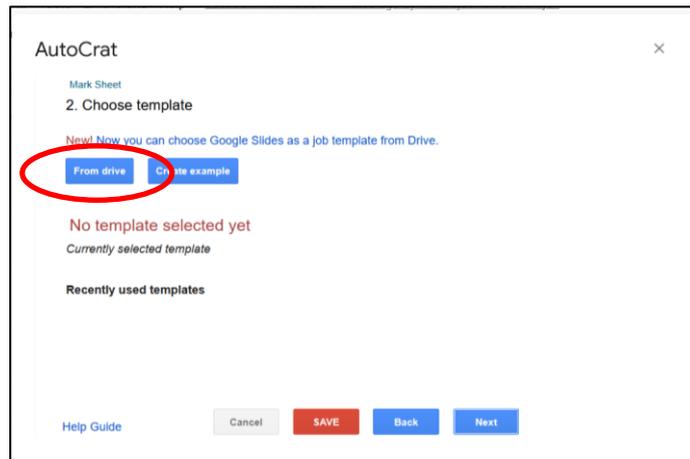
15. Add a New Job in Autocrat Extension.



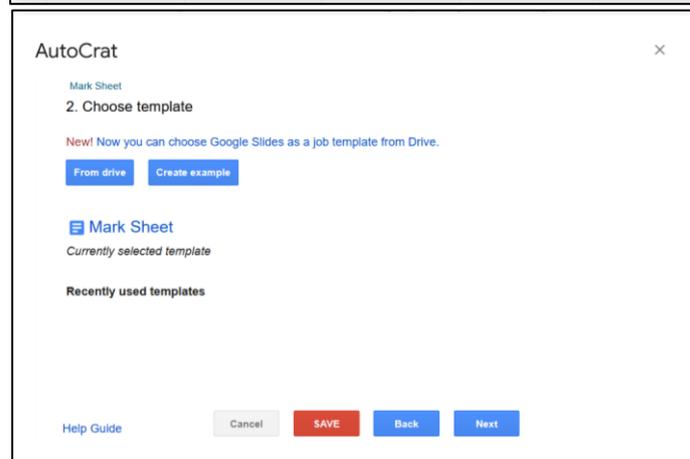
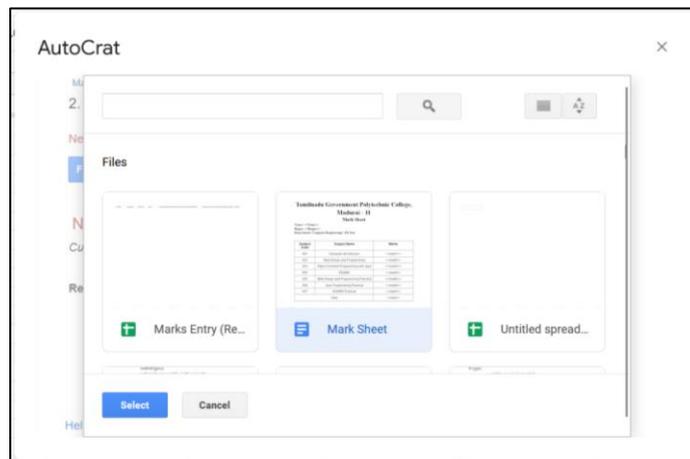
16. Give a Job Name in Autocrat Menu and click next.



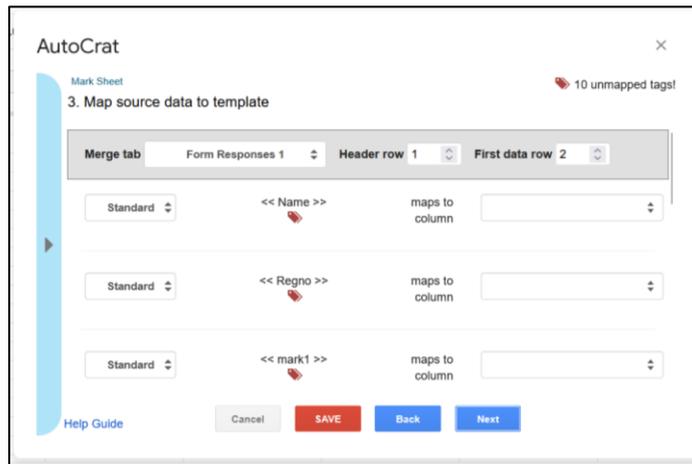
17. Choose a Template to Create Mark Sheet. Select From Drive.



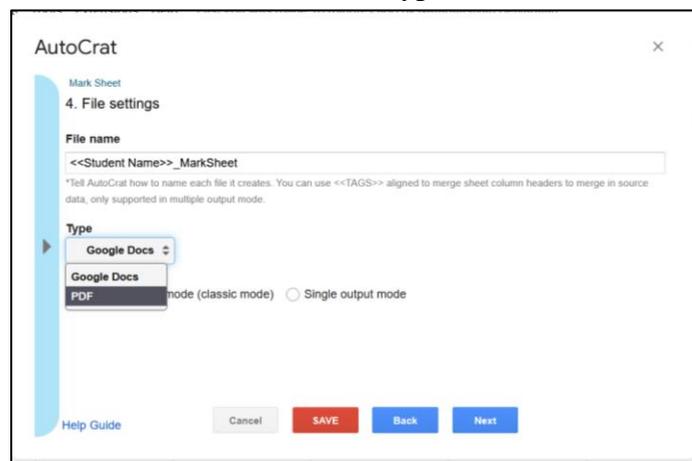
18. Select the created word template and click next.



19. Map Source data to template for Mark Sheet Creation and click next.



20. Give Proper File Name Format and select file type as PDF and click next.



21. Choose destination folder to store pdf file in Google Drive and click next.



22. Skip the dynamic folder reference (optional) and click next.

23. Set merge condition as when Reg No is not null merge the documents.

The screenshot shows the '7. Set merge condition (optional)' step in the AutoCrat interface. The title is 'Mark Sheet'. A blue '+ Add condition' button is in the top right. The instruction says 'Only merge a row if:'. Below this, a dropdown menu is set to 'Reg No', followed by 'equals' and a text input field containing 'NOT NULL'. At the bottom, there is a note: '*Only rows that meet the above conditions will be merged. Enter a specific value, NULL (empty) or NOT NULL (not empty)'. Navigation buttons include 'Cancel', 'SAVE', 'Back', and 'Next'. A 'Help Guide' link is on the left.

24. Set Share Doc and send email as yes, Select Share doc as PDF, set Allow collaborators to re-share as no and enter <<Email Address>> tag in the response mail.

The screenshot shows the top part of the '8. Share docs & send emails' step. The title is 'Mark Sheet'. The 'Share doc?' section has radio buttons for 'Yes' (selected) and 'No'. The 'Share doc as' dropdown is set to 'PDF'. The 'Allow collaborators to re-share' section has radio buttons for 'No' (selected) and 'Yes'. The 'Send from generic no-reply address' section has radio buttons for 'No' (selected) and 'Yes'. A note below says '*Only available for Google Apps accounts, not Gmail users'. There is a redacted email address field and a 'To <<' input field. Navigation buttons include 'Cancel', 'SAVE', 'Back', and 'Next'. A 'Help Guide' link is on the left.

The screenshot shows the bottom part of the '8. Share docs & send emails' step, displaying the email content. The 'To' field contains '<<Email Address>>'. The 'Cc', 'Bcc', and 'Reply To' fields are empty. The subject line is '<<Student Name>> Mark Sheet'. The body text reads: 'Dear <<Student Name>>,
Your 4th Sem mark Sheet is Attached,|'. Navigation buttons include 'Cancel', 'SAVE', 'Back', and 'Next'. A 'Help Guide' link is on the left.

25. Select Run on form trigger as YES and Confirm. Save the Job.

AutoCrat

Mark Sheet

9. Add/remove job triggers

Run on form trigger

Yes No

Run on time trigger

Yes No

Help Guide

Cancel SAVE Back

AutoCrat

Enable form triggers?

You must enable triggers for this project before you can add one to this job. Confirm?

Cancel YES

Help Guide

Cancel SAVE Back

AutoCrat

Existing Jobs

Mark Sheet

Help Guide Manage triggers

NEW JOB

26. Preview the Google Form. Enter student details and submit the form to generate mark sheet.

Marks Entry

Form description

Email *

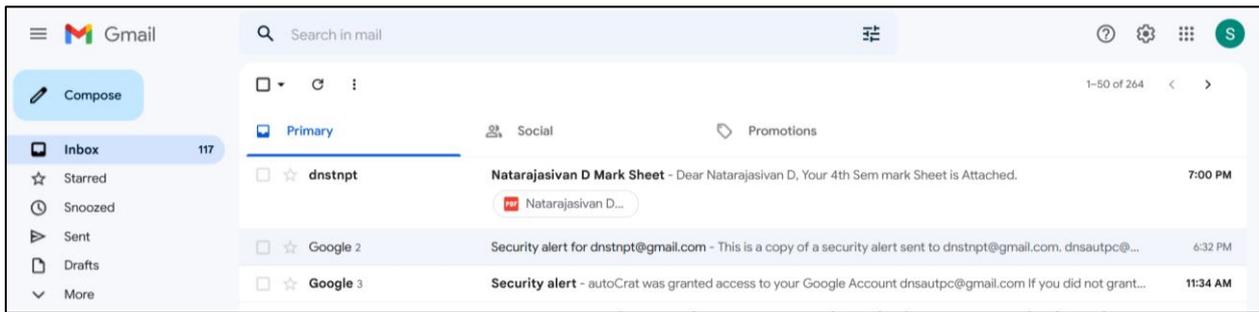
Valid email

This form is collecting emails. [Change settings](#)

Questions Responses Settings

Send

27. Open the entered email id and check for the generated mark sheet.



28. Open the attached Mark Sheet to verify the details.

**Tamilnadu Government Polytechnic College,
Madurai - 11
Mark Sheet**

Name: Natarajasivan D
Regno: 124101
Department: Computer Engineering / 4th Sem

Subject Code	Subject Name	Marks
401	Computer Architecture	80
402	Web Design and Programming	80
403	Object Oriented Programming with Java	80
404	RDBMS	80
405	Web Design and Programming Practical	100
406	Java Programming Practical	100
407	RDBMS Practical	100
Total		620

Page 1 / 1

Result:

Thus SaaS implementation for generation of mark sheet for student progress report using Google Sheet is completed and verified.