

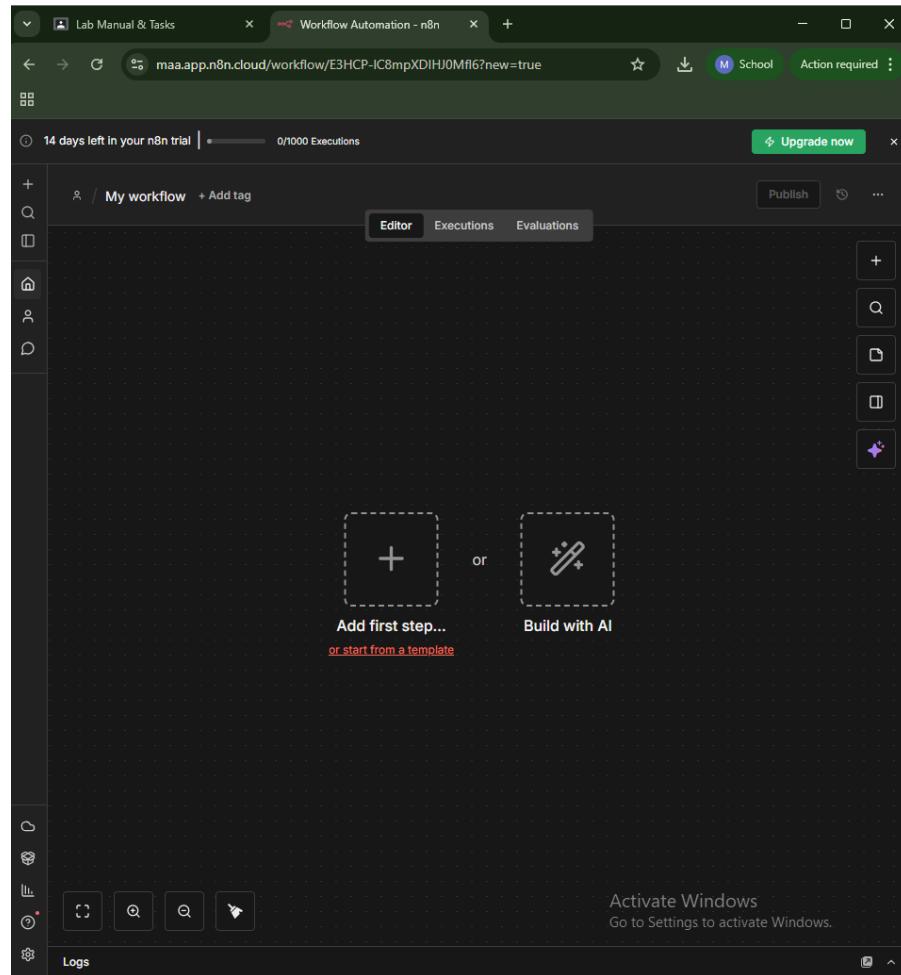
# AI Lab 3

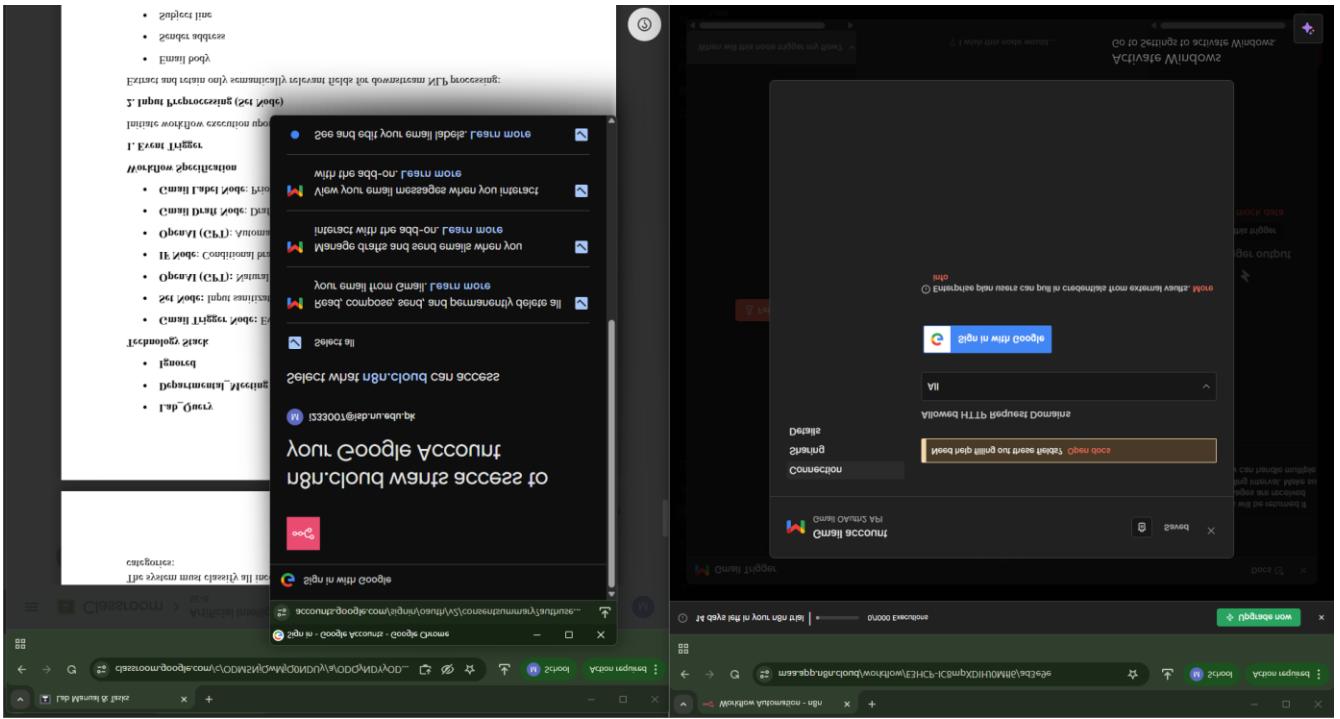
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[https://github.com/maryamfatimaaaa/i233007\\_Notebooks.git](https://github.com/maryamfatimaaaa/i233007_Notebooks.git)

## Task1

### N8N implementation:





**Gmail Trigger**

Parameters   Settings   **Fetch Test Event**

Credential to connect with: Gmail account

Poll Times

Mode: Every Minute

Add Poll Time

Event: Message Received

Simplify: On

Filters: No properties

Add Filter

OUTPUT   Schema

1 item

id	threadId
19c1d24acbadefde	19c1d24acbadefde

You can pass id instead of event.

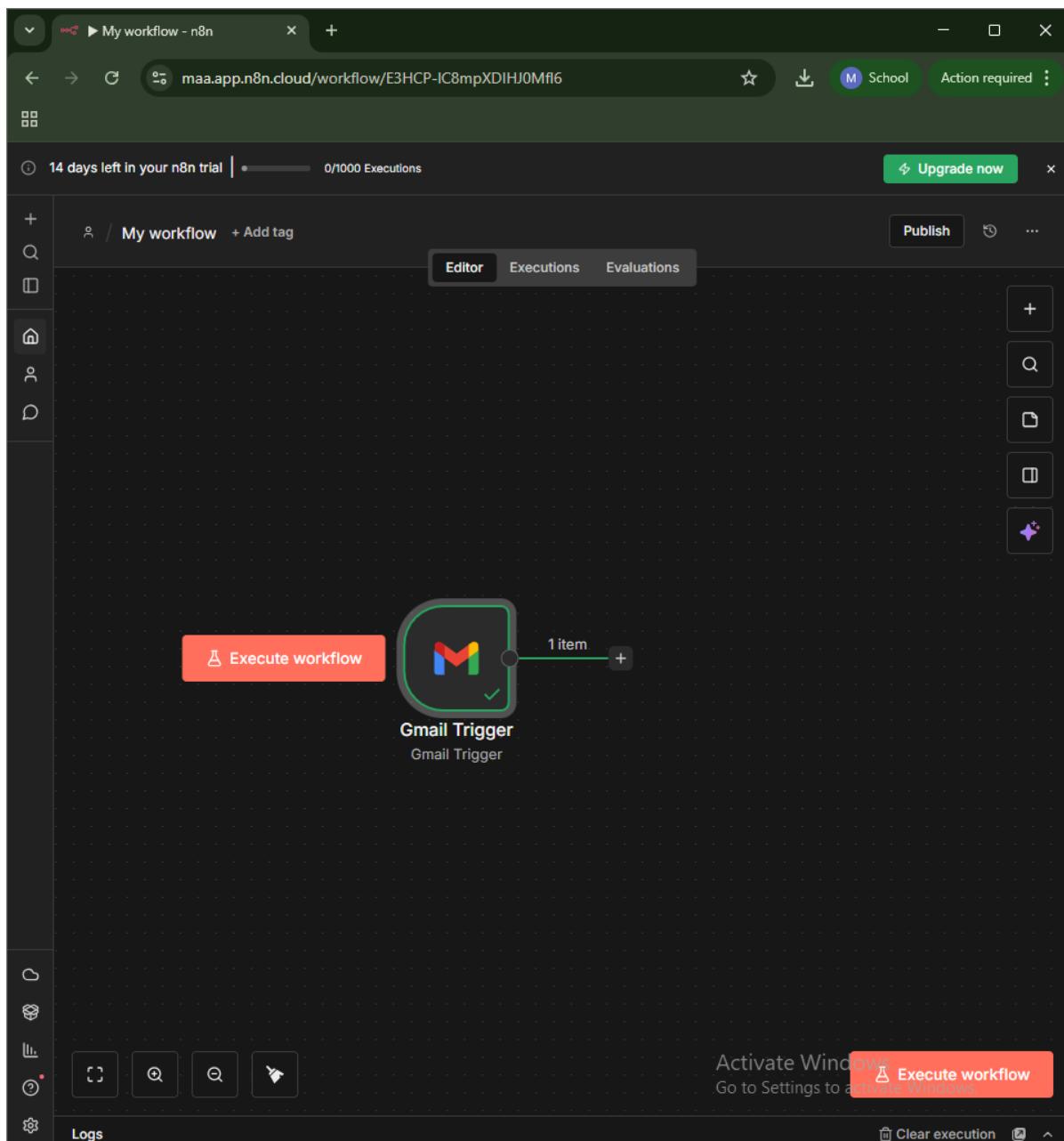
When will this node trigger my flow?

I wish this node would...

Activate Windows  
Go to Settings to activate Windows.

Clear execution

The screenshot shows a node configuration for a "Gmail Trigger". The "Parameters" tab is active, displaying settings for connecting to a "Gmail account" and polling "Every Minute" for "Message Received" events. A "Fetch Test Event" button is visible. The "OUTPUT" tab shows a single fetched item with columns "id" and "threadId", both containing the value "19c1d24acbadefde". A tooltip suggests using "id" instead of "event". At the bottom, a message states "Now executed successfully" and provides instructions to "Activate Windows" by going to Settings. There are also buttons for "Clear execution" and a feedback section asking "When will this node trigger my flow?" and "I wish this node would...".



14 days left in your n8n trial | 0/1000 Executions [Upgrade now](#)

### Edit Fields

**INPUT** **Parameters** **Settings** **Execute step** **OUTPUT**

**Mode**: Manual Mapping

**Fields to Set**

- priority (String)  
= `if($json["from"].includes("i233007@isp.nu.edu.pk")) ? "High" : ($json["from"].includes("abc.ai@gmail.com")) ? "Low" : "Medium")`

**Result**: Item C [Execute previous nodes for preview]

**Tip:** Anything inside `{}`  is JavaScript. Learn more

**Include Other Input Fields**:

**Options**: No properties [Add option](#)

No input connected

I wish this node would... [Activate Windows](#) Go to Settings to activate Windows.

Clear execution

```
graph LR; subgraph INPUT; direction TB; I1[ ]; end; subgraph Parameters; direction TB; Mode[Mode: Manual Mapping]; Fields[Fields to Set: priority]; Result[Result: Item C]; Options[Options: No properties]; end; subgraph OUTPUT; direction TB; O1[No output data]; End[Execute step or set mock data]; end;
```

priority

= `if($json["from"].includes("i233007@isp.nu.edu.pk")) ? "High" : ($json["from"].includes("abc.ai@gmail.com")) ? "Low" : "Medium")`

Item C

[Execute previous nodes for preview]

Tip: Anything inside `{}`  is JavaScript. Learn more

Add option

No properties

No input connected

I wish this node would... [Activate Windows](#) Go to Settings to activate Windows.

Clear execution

**Edit Fields**

**INPUT** Schema Table JSON

Gmail Trigger 1 item

- id** 19c1d3a21ed31e70
- threadId** 19c1d3a21ed31e70
- snippet** Dear Students, We are pleased to inform you that Ms. Anna Guo (BSc, MSc, MPhil), Director, International Student Recruitment, Brock University, Canada, will be visiting FAST-NUCES, Islamabad Campus.

**payload**

- mimeType** multipart/alternative
- sizeEstimate** 26562
- historyId** 538577
- internalDate** 1770016836000

**labels**

- labels[0]**
  - id** INBOX
  - name** INBOX
- labels[1]**
  - id** CATEGORY\_FORUMS
  - name** CATEGORY\_FORUMS
- labels[2]**
  - id** UNREAD

**Parameters** Mode: Manual Mapping

**Fields to Set**

- Subject**: String =  `{{$json["Subject"]}}`
- body**: String =  `{{$json["Text"]}}`
- From**: String =  `{{$json["From"]}}`

Drag input fields here or Add Field

Include Other Input Fields:  Fixed Expression

Options: No properties

Execute step

My workflow - n8n

maa.app.n8n.cloud/workflow/E3HCP-IC8mpXDIHJ0Mfl6

14 days left in your n8n trial | 0/1000 Executions

Upgrade now

My workflow + Add tag

Editor Executions Evaluations

Gmail Trigger

Gmail Trigger

Edit Fields

manual

1 item

Activate Windows

Go to Settings to activate Windows

Execute workflow

Logs

Clear execution

The screenshot shows a workflow titled "My workflow" in the n8n interface. The workflow consists of two main nodes: a "Gmail Trigger" node and an "Edit Fields" node. The "Gmail Trigger" node is triggered by an incoming event (indicated by a lightning bolt icon). It connects to the "Edit Fields" node, which has a status message "manual" and a green arrow indicating one item is being processed. The "Edit Fields" node also has a plus sign (+) to add more items. At the bottom right of the screen, there is a red button labeled "Activate Windows" with the sub-instruction "Go to Settings to activate Windows" and a "Execute workflow" button.

The screenshot shows the n8n workflow editor interface. At the top, there are several tabs: "My work", "Lab Manual", "ChatGPT", "how to solve", "API keys - O", and a new tab. The main URL in the browser bar is [maa.app.n8n.cloud/workflow/E3HCP-IC8mpXDIHJ0Mfl6/de6e42](https://maa.app.n8n.cloud/workflow/E3HCP-IC8mpXDIHJ0Mfl6/de6e42). A banner at the top indicates "14 days left in your n8n trial" and "0/1000 Executions". There is a green "Upgrade now" button.

The central part of the screen displays the configuration for the "Message a model" node. It is connected to an "OpenAi account" connection. A success message says "Connection tested successfully". Below it, there is a link to "Open docs" for help. A button labeled "n8n AI" offers setup instructions. The configuration fields include:

- API Key \***: An input field containing a redacted API key.
- Organization ID (optional)**: A dropdown menu set to "Fixed Expression".
- Base URL**: A text input field containing "https://api.openai.com/v1".

On the right side of the configuration panel, there is a "Docs" tab with some descriptive text about OpenAI accounts and usage limits. At the bottom of the configuration panel, there are "Add" and "Remove" buttons.

At the very bottom of the screen, there is a "Logs" section and a "Tools" section. A watermark for "Activate Windows" is visible at the bottom right.

My workflow | Assignment detail | ChatGPT | how to solve tbhi | Batches - OpenAI | +

maa.app.n8n.cloud/workflow/E3HCP-IC8mpXDIHJ0Mfl6/de6e42

14 days left in your n8n trial | 0/1000 Executions | Upgrade now

### Message a model

**INPUT**

- Edit Fields (1 item)
- Gmail Trigger (1 item)

**Variables and context**

**Parameters**

Credential to connect with: OpenAI account

Resource: Text

Operation: Message a Model

Model: From list (GPT-4O-MINI)

**Messages**

Type: Text

Role: System

Prompt:  
You are an email classifier for an academic instructor named XYZ.

Add Message

Simplify Output (Toggle)

**Tools**

Logs

The service is receiving too many requests from you  
You exceeded your current quota, please check your plan and billing details. For more information on this error, read the docs: <https://platform.openai.com/docs/guides/error-codes/api-errors>

n8n AI

Error details

- From OpenAI
- Other info

Activate Windows  
Go to Settings to activate Windows.

Clear execution

This screenshot shows a workflow step titled "Message a model". The input consists of an "Edit Fields" node and a "Gmail Trigger" node. The parameters for the step include connecting with an "OpenAI account", using a "Text" resource, performing a "Message a Model" operation, and selecting the "GPT-4O-MINI" model from a list. In the "Messages" section, the type is set to "Text" and the role is "System". The prompt is a text block stating: "You are an email classifier for an academic instructor named XYZ.". A "Simplify Output" toggle is turned on. On the right side, an error message is displayed: "The service is receiving too many requests from you. You exceeded your current quota, please check your plan and billing details. For more information on this error, read the docs: https://platform.openai.com/docs/guides/error-codes/api-errors". Below the error message are sections for "Error details" (listing "From OpenAI" and "Other info") and a link to "Activate Windows".

Message a model

INPUT

priority [null]

Gmail Trigger

Variables and context

Parameters

Execute step

OUTPUT

The service is receiving too many requests from you

You exceeded your current quota, please check your plan and billing details. For more information on this error, read the docs: <https://platform.openai.com/docs/guides/error-codes/api-errors>.

n8n AI

Error details

From OpenAI

Other info

Activate Windows

Go to Settings to activate Windows.

Logs

My workflow

maa.app.n8n.cloud/workflow/E3HCP-IC8mpXDIHJ0Mft6/543be4

14 days left in your n8n trial | 0/1000 Executions

Upgraded now

If

INPUT

Conditions

fx {{ \$json["output"][0]["content"][0]["text"] }} T is equal to Lab\_Query

+ Add condition

Convert types where required

Options

No properties

Add option

Error running node 'Message a model'

OUTPUT

No output data

Execute step

to view output data

I wish this node would...

Activate Windows

Go to Settings to activate Windows.

Logs

 Message a model1

INPUT Schema Table JSON Parameters Settings **Execute step**

Credential to connect with  
OpenAi account 

Resource  
Text 

Operation  
Message a Model 

Model  
From list GPT-4O-MINI 

Messages

Type  
Text 

Role  
System 

Prompt

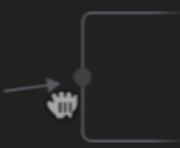
- Course / Subject Code
- Clear description of the lab issue

Tone: polite, professional, clear. 

Add Message

Simplify Output 

Tools 

No input connected 

 Message a model1

INPUT Schema Table JSON Parameters Settings Execute step

**Model**  
From list GPT-4O-MINI

**Messages**

Type: Text

Role: System

Prompt:  
- Course / Subject Code  
- Clear description of the lab issue  
Tone: polite, professional, clear.

No input connected

Type: Text

Role: User

Prompt:  
**Subject:** {{\$json["Subject"]}}  
**Body:** {{\$json["body"]}}

Add Message Tools

14 days left in your n8n trial | 0/1000 Executions [Upgrade now](#)

### Create a draft

**INPUT** [Schema](#) [Table](#) [JSON](#)

**Parameters** [Settings](#) [Execute step](#)

**Operation** Create

**Subject** Lab Query - Missing Details

To reply to an existing thread, specify the exact subject title of that thread.

**Email Type** Text

**Message**

```
[$node["Message a model1"].json["output"][]["content"][]["text"].split("\n\n").slice(1).join("\n\n")]
```

**Options**

**Thread ID** `[$node["Gmail Trigger"].json["threadID"]]` 19c1d3a21ed31e70

**To Email** `[$node["Gmail Trigger"].json["From"]]` "Placement @ One Stop Islamabad Campus" via Batch...

Add option

I wish this node would...

**OUTPUT** [Schema](#) [Table](#) [JSON](#) [Edit](#)

No output data

[Execute step](#) or [set mock data](#)

Activate Windows  
Go to Settings to activate Windows. [Create execution](#)

The screenshot shows the n8n interface with a dark theme. A central node is titled "Create a draft". The "Parameters" tab is selected. The "Operation" dropdown is set to "Create". The "Subject" field contains "Lab Query - Missing Details". Below it, a note says "To reply to an existing thread, specify the exact subject title of that thread.". The "Email Type" is set to "Text". The "Message" field contains a template: `[\$node["Message a model1"].json["output"][]["content"][]["text"].split("\n\n").slice(1).join("\n\n")]`. The "Options" section includes "Thread ID" and "To Email", both using expressions derived from the "Gmail Trigger" node. A note at the bottom says "I wish this node would...". The "OUTPUT" tab is also visible, showing "No output data" with options to "Execute step" or "set mock data". The top bar shows a trial period of 14 days left and 0/1000 executions. A green "Upgrade now" button is in the top right. The bottom right has an "Activate Windows" message with a link to settings.

14 days left in your n8n trial | 0/1000 Executions

If1

INPUT Schema Table Parameters Settings Execute step OUT

Conditions

fx `if {{${node["Message a model1"].json["output"]}[0]["content"]}}[0]["text"].split('\n\n').slice(1).join('\n\n')} is equal to`

Departmental Meeting

+ Add condition

Convert types where required

Options

No properties

Add option

Node executed

I wish this node would... Activate Window

```
graph LR; If1[If1] --> Output[Output]
```

The screenshot shows the n8n interface with a dark theme. At the top, there's a banner indicating a 14-day trial with 0/1000 executions. Below this, the main workspace shows an 'If' node named 'If1'. The 'Parameters' tab is selected. In the 'Conditions' section, a condition is defined using a template language expression: `if {{\${node["Message a model1"].json["output"]}[0]["content"]}}[0]["text"].split('\n\n').slice(1).join('\n\n')} is equal to Departmental Meeting`. A button to 'Add condition' is present. Below this, a toggle switch is set to 'Convert types where required'. The 'Options' section shows 'No properties' and a button to 'Add option'. At the bottom right, there are two status indicators: 'Node executed' with a green checkmark and 'I wish this node would...' followed by 'Activate Window'.

**Add label to message**

**INPUT** Schema Table JSON **Parameters** Settings **Execute step** **OUTPUT** Schema Table JSON **Docs**

Credential to connect with: Gmail account

Resource: Message

Operation: Add Label

Message ID:  `{{$node["Gmail Trigger"].json["id"]}}` 19c1d3a21ed31e70

Label Names or IDs: High Priority

No output data

Execute step or set mock data

I wish this node would... Activate Windows

