

Figure 4. The experimental set-up: (a) photo of the gearbox including the sensors (accelerometer and tachometer) locations, (b) cross-sectional view of the one-stage gearbox and (c) the pinion single-tooth fault scenarios F25, F50, F75 and F100.

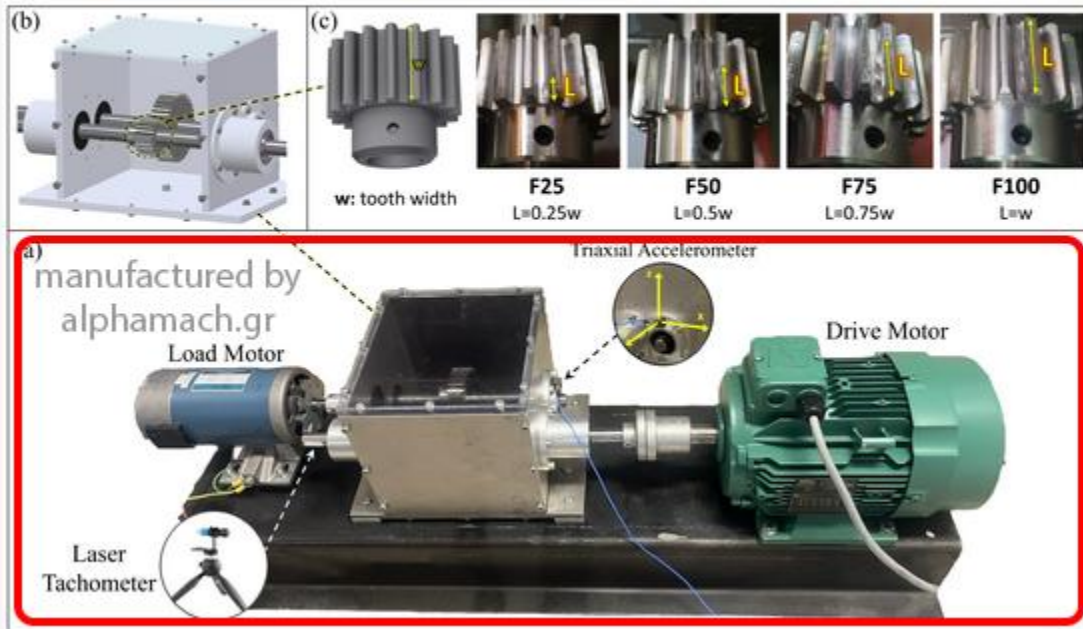


Image 1: alphamach_1.png

C:\Users\user\Pictures\Screenshots\alphamach_1.png

Figure 4. The experimental set-up: (a) photo of the gearbox including the sensors (accelerometer and tachometer) locations, (b) cross-sectional view of the one-stage gearbox and (c) the pinion single-tooth fault scenarios F25, F50, F75 and F100.



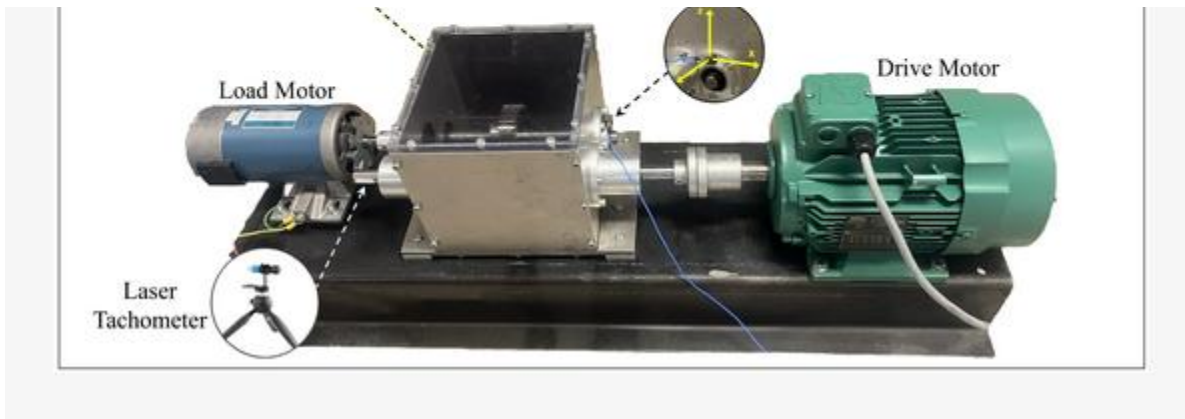


Image 2: alphamach_2.PNG

C:\Users\user\Pictures\Screenshots\alphamach_2.PNG



Image 3: ANDRIKOPOULOU.PNG

<C:\Users\user\Pictures\Screenshots\ANDRIKOPOULOU.PNG>



Image 4: COFFEE STREET_5.PNG

C:\Users\user\Pictures\Screenshots\COFFEE STREET_5.PNG

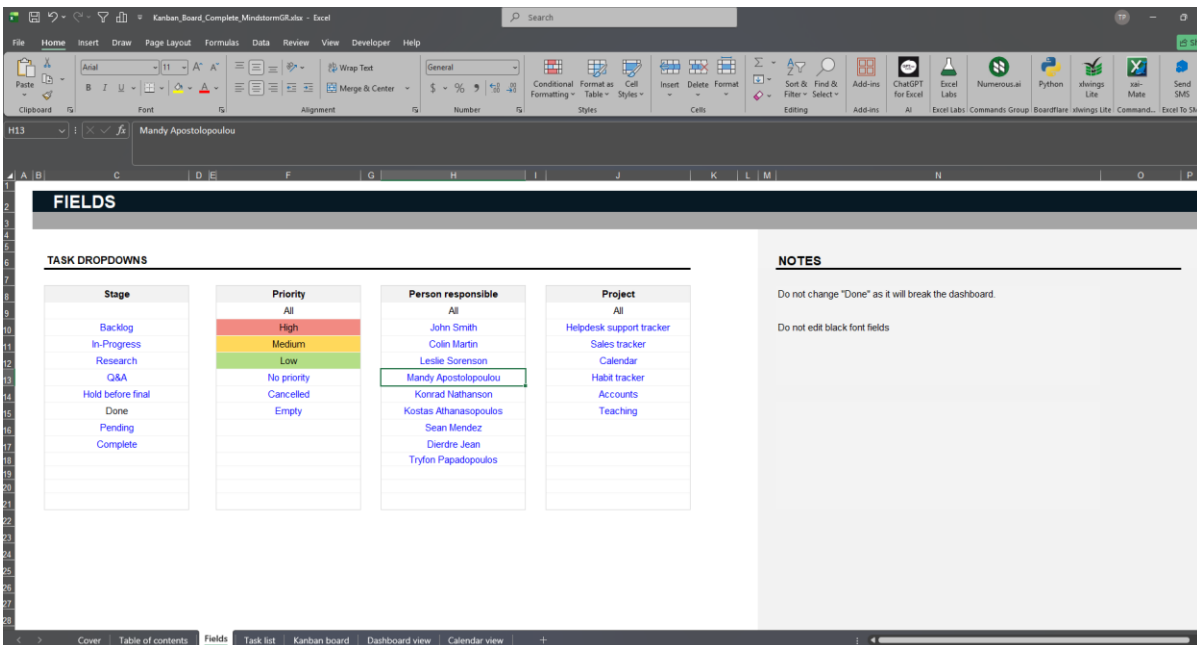


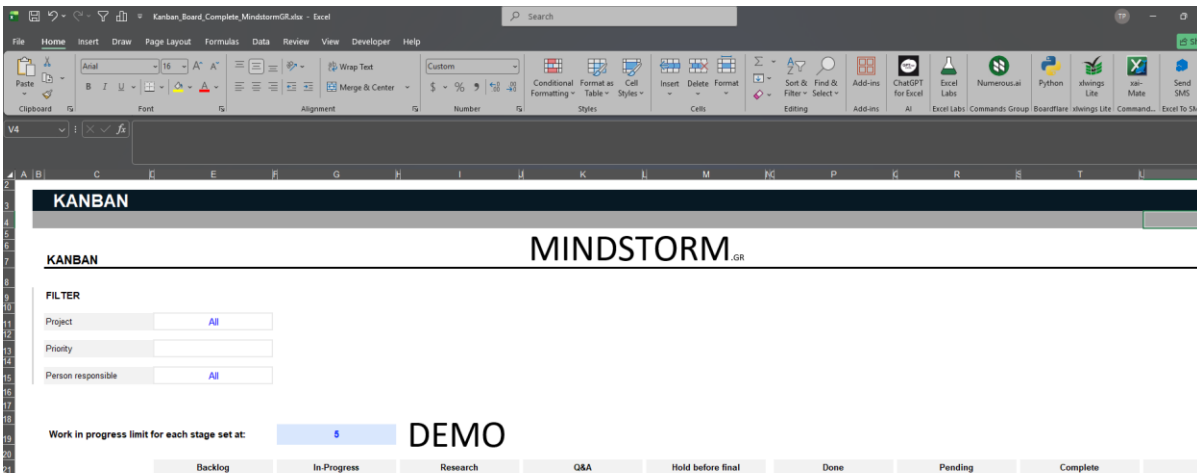
Image 5: fields.PNG

C:\Users\user\Pictures\Screenshots\fields.PNG



Image 6: GRAFEIO1.PNG

<C:\Users\user\Pictures\Screenshots\GRAFEIO1.PNG>



Stage	Priority: Low	Priority: Medium	Priority: High	Priority: Low	Priority: Medium	Priority: Low
Task	Change logins of all accounts	Project check-in meeting	Test fake data	Facilitate reupload of critical workflows	Configure server settings	Install software drivers
Person responsible	Kostas Athanassopoulos	John Smith	Mandy Apostolopoulou	Konrad Nathanson	Konrad Nathanson	John Smith
Start date	4/14/2023	5/21/2023	6/16/2023	3/23/2023	5/19/2023	2/2/2023
Finish date						2/14/2023
Due date	10/21/2023	6/22/2023	5/28/2023	3/31/2023	6/15/2023	2/24/2023

Image 7: kanban board.PNG

C:\Users\user\Pictures\Screenshots\kanban board.PNG

Work in progress limit for each stage set at: **5** DEMO

	Backlog	In-Progress	Research	Q&A	Hold before final	Done	Pending	Complete
Stage	Priority: Low	Priority: Medium	Priority: High	Priority: Low	Priority: Medium	Priority: Low		
Task	Change logins of all accounts	Project check-in meeting	Test fake data	Facilitate reupload of critical workflows	Configure server settings	Install software drivers		
Person responsible	Kostas Athanassopoulos	John Smith	Mandy Apostolopoulou	Konrad Nathanson	Konrad Nathanson	John Smith		
Start date	4/14/2023	5/21/2023	6/16/2023	3/23/2023	5/19/2023	2/2/2023		
Finish date						2/14/2023		
Due date	10/21/2023	6/22/2023	5/28/2023	3/31/2023	6/15/2023	2/24/2023		
Stage	Priority: Low	Priority: High	Priority: High	Priority: High		Priority: Low		
Task	Create new log-ins for users	Set up bug-bounty for critical flaws	Test ML system on new dataset	Update cybersecurity protocols		Backup data		
Person responsible	Colin Martin	Colin Martin	Konrad Nathanson	John Smith		Colin Martin		
Start date	1/18/2023	9/6/2023	8/14/2023	7/27/2023		1/19/2023		
Finish date						3/4/2023		
Due date	2/8/2023	11/30/2023	12/14/2023	9/18/2023		2/24/2023		
Stage	Priority: Low	Priority: High		Priority: High		Priority: Low		
Task	Test new start project workflow	Prepare notes for lecture ΠΡΑΚΤΙΚΗ ΕΒΑΡΜΟΓΗ		Upload machine learning model data		QA data backup		
Person responsible	Kostas Athanassopoulos	Tyfon Papadopoulos		John Smith		Mandy Apostolopoulou		
Start date	1/31/2023	2/20/2026		8/24/2023		2/17/2023		
Finish date						2/28/2023		

Image 8: kanban_board_2.PNG

C:\Users\user\Pictures\Screenshots\kanban board 2.PNG





Image 9: PLESSAS_BROS_2.PNG

C:\Users\user\Pictures\Screenshots\PLESSAS_BROS_2.PNG



Image 10: Screen Shot 03-22-26 at 07.37 PM.PNG

C:\Users\user\Pictures\Screenshots\Screen Shot 03-22-26 at 07.37 PM.PNG

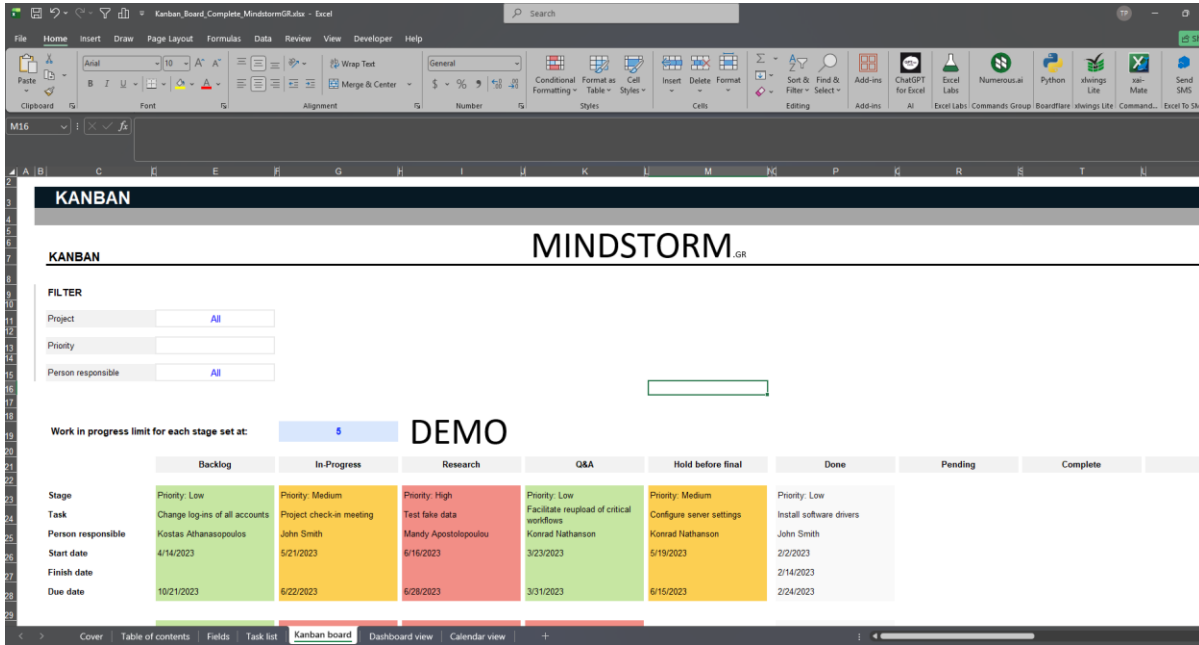


Image 11: Screen Shot 04-30-26 at 11.02 AM.PNG

C:\Users\user\Pictures\Screenshots\Screen Shot 04-30-26 at 11.02 AM.PNG

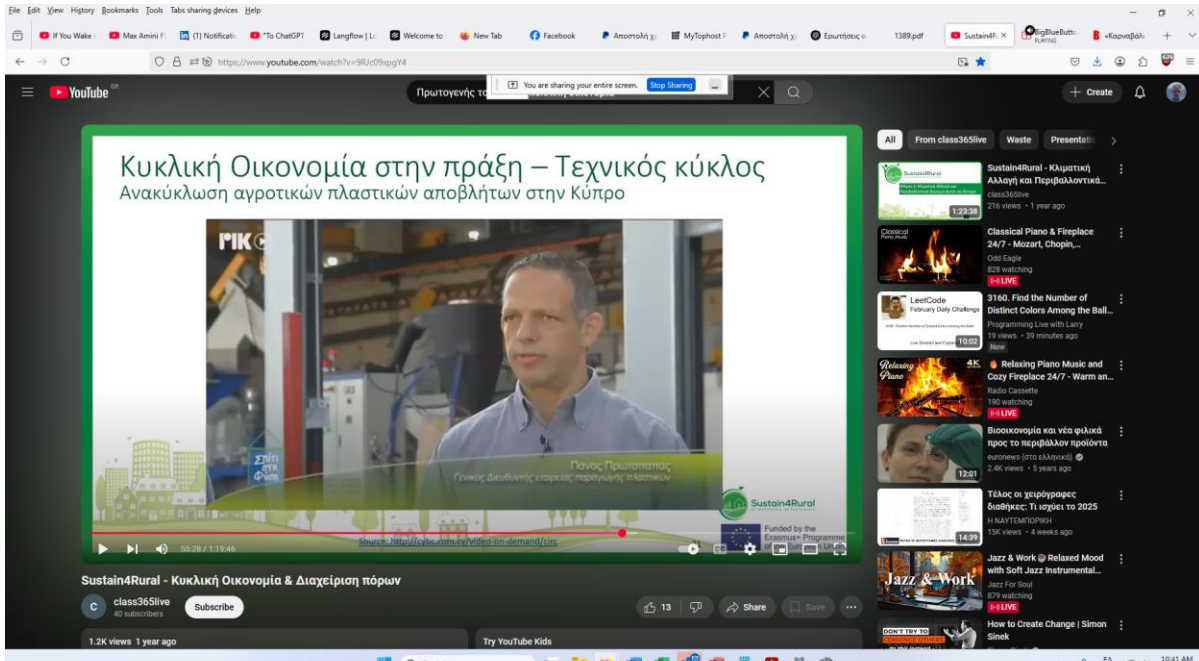


Image 12: Screenshot (1).png

[C:\Users\user\Pictures\Screenshots\Screenshot \(1\).png](C:\Users\user\Pictures\Screenshots\Screenshot (1).png)

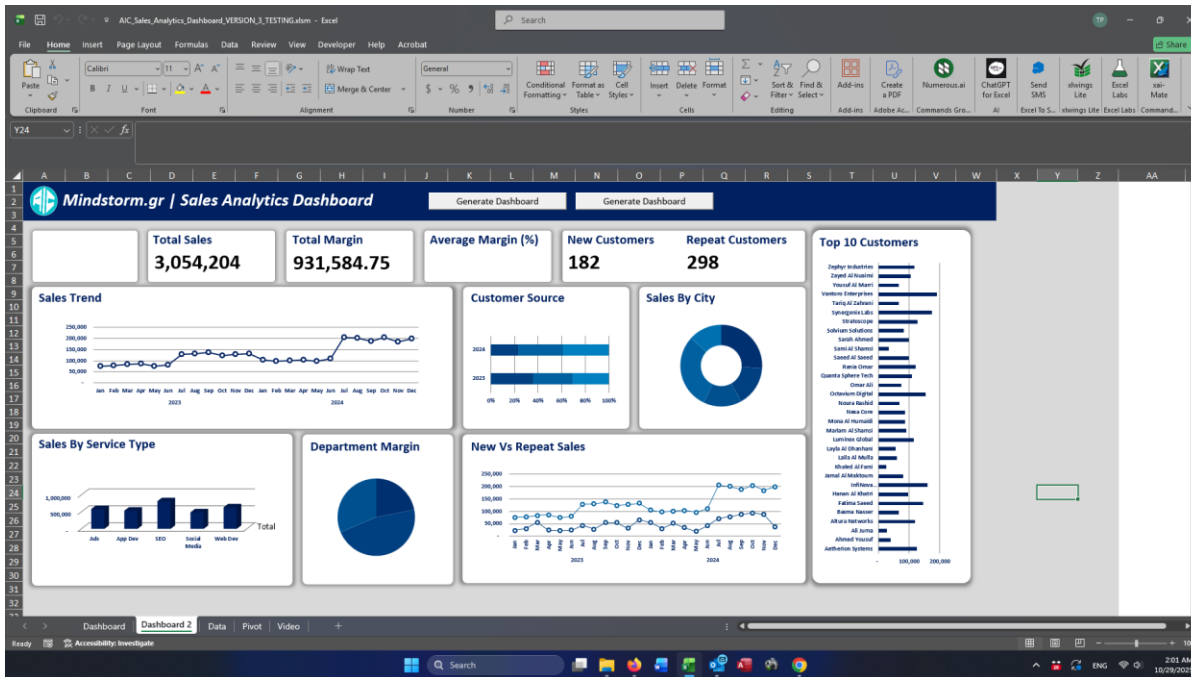


Image 13: Screenshot (2).png

[C:\Users\user\Pictures\Screenshots\Screenshot \(2\).png](C:\Users\user\Pictures\Screenshots\Screenshot (2).png)

Image 14: Screenshot 2025-06-03 090304.png

<C:\Users\user\Pictures\Screenshots\Screenshot 2025-06-03 090304.png>

```
Selection View ...  
py > ...  
from textblob import TextBlob  
  
def analyze_sentiment(text):  
    blob = TextBlob(text)  
    sentiment_score = blob.sentiment.po  
    if sentiment_score > 0:
```

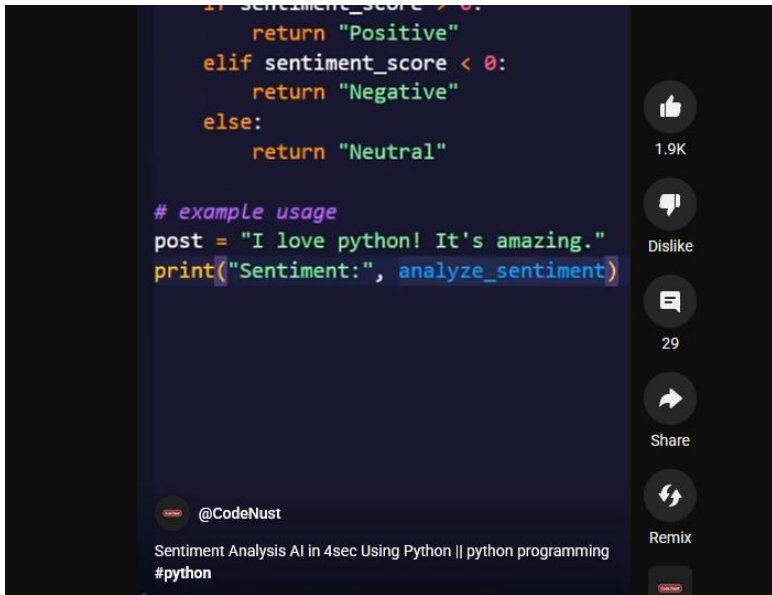


Image 15: Screenshot 2025-09-29 135755.png

C:\Users\user\Pictures\Screenshots\Screenshot 2025-09-29 135755.png

Task	Project	Stage	Priority	Person responsible	Start date	Due date	Finish date	Work progress	Work hours (estimate)	Work hours (actual)
Install software drivers	Helpdesk support tracker	Done	Low	John Smith	02/02/2023	02/24/2023	02/14/2023	▲ 100%	107	100
Backup data	Sales tracker	Done	Low	Colin Martin	01/19/2023	02/24/2023	03/04/2023	▲ 100%	145	150
QA data backup	Calendar	Done	Low	Mandy Apostolopoulou	02/17/2023	03/02/2023	02/28/2023	▲ 100%	139	145
Schedule interviews with devops	Calendar	Done	High	Andy Fielder	02/20/2023	02/22/2023	02/25/2023	▲ 100%	66	60
Complete server transfer	Accounts	Done	Medium	Konrad Nathanson	03/08/2023	04/21/2023	08/10/2023	▲ 100%	131	120
Facilitate repuload of critical workflows	Calendar	Q&A	Low	Konrad Nathanson	03/23/2023	03/31/2023		▲ 60%	77	80
Ensure network is usable	Accounts	Done	Low	Leslie Sorenson	04/04/2023	06/01/2023		▲ 70%	110	120
Change log-ins of all accounts	Habit tracker	Backlog	Low	Kostas Athanasopoulos	04/14/2023	10/21/2023		▲ 60%	110	105
Order upgraded servers	Accounts	Done	Low	Mandy Apostolopoulou	04/24/2023	05/23/2023	05/11/2023	▲ 100%	77	80
Configure server settings	Accounts	Hold before final	Medium	Konrad Nathanson	05/19/2023	06/15/2023		▲ 70%	122	100
Project check-in meeting	Calendar	In-Progress	Medium	John Smith	05/21/2023	06/22/2023		▲ 100%	55	70
Create new log-ins for users	Helpdesk support tracker	Backlog	Low	Colin Martin	01/18/2023	02/08/2023		▲ 40%	64	65
Test new start project workflow	Helpdesk support tracker	Backlog	Low	Kostas Athanasopoulos	01/31/2023	02/08/2023		▲ 40%	64	60
Test fake data	Helpdesk support tracker	Research	High	Mandy Apostolopoulou	06/16/2023	06/28/2023		▲ 40%	64	70
Setup system firewalls	Helpdesk support tracker	Done	Medium	Konrad Nathanson	06/23/2023	07/18/2023	07/07/2023	▲ 100%	25	30
Update cybersecurity protocols	Accounts	Q&A	High	John Smith	07/27/2023	08/18/2023		▲ 15%	5	7
Upload machine learning model data	Sales tracker	Q&A	High	John Smith	08/24/2023	09/25/2023		▲ 10%	45	10
Test ML system on new dataset	Helpdesk support tracker	Research	High	Konrad Nathanson	08/14/2023	12/14/2023		▲ 10%	30	30
Set up bug-bounty for critical flaws	Helpdesk support tracker	In-Progress	High	Colin Martin	09/06/2023	11/30/2023		▲ 10%	25	30
Prepare notes for lecture ΕΡΑΡΜΟΓΗ ΤΗΣ ΕΙΔΙΚΟΤΗΤΑ	Teaching	In-Progress	High	Tryfon Papadopoulos	02/20/2026	02/20/2026			1	

Image 16: task_list.PNG

C:\Users\user\Pictures\Screenshots\task list.PNG



Image 17: TSINOUKAS_1.PNG

C:\Users\user\Pictures\Screenshots\TSINOUKAS_1.PNG





Image 18: TSINOUKAS_2.PNG

C:\Users\user\Pictures\Screenshots\TSINOUKAS_2.PNG