Timeline and Member Contribution

Project Title: Monitoring and Visualization of System performance Using python, Netdata and Grafana.

List of team members

1. Muhammed Bahar
2. Enas Alnaseri
3. Naga Lakshmi Nimishakavi

Proposed Weekly Schedule (October 17–December 10, 2025)

Week/Date Ranges	Goal/Task	Details/Deliverables	Responsible Members
Week 1(Oct 17-Oct 20)	Define final tools and confirm scope	Choose Pythone, Netdata, Grafana; create shared folders and gather resources	All members
Week 2(Oct 21-Oct 27)	Install and test environments	Install tools, confirm functionality, capture installation screenshots	Enas Python; Muhammed Netdat; Naga Grafana
Week 3(Oct 28-Nov3)	Collect baseline data	Run monitoring scripts, verify connections, and save initial reports/ logs	Enas and Muhammed
Week 4(Nov4-Nov 10)	Simulate stress conditions	Create safe high CPU/memory load scenarios and capture system responses	All members
Week 5(Nov11-Nov 17)	Integrate and visualizes	Connect CSV/Netdata data to Grafana; design dashboard	Naga (lead)
Week 6(Nov18-Nov 24)	Analyze and compare results	Evaluate tool performance and accuracy also draft summary of findings	Enas and Muhammed
Week 7(Nov25-Dec1)	Prepare visuals and report	Finalize screenshots, tables, charts, and written report	Enas and Naga
Week 8(Dec2- Dec 8)	Create and edit presentation	Build PowerPoint and record video presentation; review GitHub content	All members

Final (Dec9- Dec 10)	Submit all materials	Upload GitHub link, report, and presentation video to Brightspace	All members

Member Involvement

Muhammed Bahar	Linux monitoring and Netdata lead	Install Netdata on Linux, monitor system metrics, export dashboard results, and provide data for comparison
Enas Alnaseri	Python monitoring lead and report coordinator	Write and run pursuit script, collect CPU/memory/disk/network metrics; prepare CSV/logs; lead report writing and submission
Naga Lakshmi Nimishakavi	Visualization and Grafana lead	Create Grafana dashboard, connect data sources, design visuals for presentation
All team members	Testing, Documentation and presentation	Participate in testing, compile screenshots, edit reports, and co-present findings