

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 1

B.Tech (CSE) VIII Semester

Duration: 02/01/2024 to 08/01/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| | |
|--|--|
| To be filled by Students | |
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 5 |
| Results | Explored various machine learning and deep learning algorithms for epilepsy detection and classification |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Read Research Papers
- Improved the accuracy of the previous model.
- Study more about Deep Learning
- Learning new technologies

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| To be filled by Guide (strike off whichever is not applicable) |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student(s) (Name) |
| Student was not well (Name) |
| |
| Date: 08/01/2024 |
| Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 2

B.Tech (CSE) VIII Semester

Duration: 09/01/2024 to 15/01/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

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|--|--|
| To be filled by Students | |
| Students Name | 3. Mantra Jain 4. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 5 |
| Results | Explored various machine learning and deep learning algorithms for epilepsy detection and classification |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Read Research Papers
- Improved the accuracy of the previous model.
- Study more about Deep Learning
- Learning new technologies

| | |
|--|--------------------|
| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| Date: 15/01/2024 | Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 16/01/2024 to 22/01/2024

WPR 3

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 8 |
| Results | Explored various machine learning and deep learning algorithms for epilepsy detection and classification |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Read Research Papers
- Conducted cross-validation to ensure robustness of results.
- Experimented with different hyperparameters and architectures to optimize model performance.

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| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 22/01/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 23/01/2024 to 29/01/2024

WPR 4

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

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|--|--|
| To be filled by Students | |
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | It is Technically and Economically Feasible |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 10 |
| Results | Explored various machine learning and deep learning algorithms for epilepsy detection and classification |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Improved the model's F1 score.
- Discussions with team members about data and algos
- Learning new technologies
- Read Research Papers

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|---|--|
| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 29/01/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 5

B.Tech (CSE) VIII Semester

Duration: 30/01/2024 to 05/02/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| | |
|--|---|
| To be filled by Students | |
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 10 |
| Results | Continue refining the models and implement data preprocessing. Explore different feature extraction techniques. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Continue refining the models and implement data preprocessing.
- Explore different feature extraction techniques.
- Read Research Papers
- Improved the accuracy of the previous model.
- Study more about Deep Learning

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| To be filled by Guide (strike off whichever is not applicable) |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student(s) (Name) |
| Student was not well (Name) |
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| Date: 05/02/2024 |
| Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 06/02/2024 to 12/02/2024

WPR 6

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 12 |
| Results | Investigate potential optimization techniques. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Scaled up the dataset for more comprehensive testing.
- Fine-tuned models for better accuracy.
- Explored optimization techniques.

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| To be filled by Guide (strike off whichever is not applicable) |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student(s) (Name) |
| Student was not well (Name) |
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Date: 12/02/2024
Signature of Guide

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 7

B.Tech (CSE) VIII Semester

Duration: 13/02/2024 to 19/02/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 15 |
| Results | Begin integrating the models into the monitoring system. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Successfully implemented real-time data acquisition.
- Started integrating models into the monitoring system.
- Implement real-time data acquisition for epilepsy monitoring.

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| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 19/02/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 8

B.Tech (CSE) VIII Semester

Duration: 20/02/2024 to 26/02/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 20 |
| Results | Conducted initial testing on the integrated system. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Conducted initial testing on the integrated system.
- Identified and addressed issues.
- Continued refining the system.
- Address any issues and refine the system.
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| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 26/02/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 9

B.Tech (CSE) VIII Semester

Duration: 27/02/2024 to 04/03/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| | |
|--|--|
| To be filled by Students | |
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 30 |
| Results | Optimize the system for performance and resource efficiency. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Optimize the system for performance and resource efficiency.
- Study more about Deep Learning
- Read Research Papers

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| To be filled by Guide (strike off whichever is not applicable) |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student(s) (Name) |
| Student was not well (Name) |
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| Date: 04/03/2024 |
| Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 05/03/2024 to 11/03/2024

WPR 10

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

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|--|--|
| To be filled by Students | |
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 40 |
| Results | Begin preparing for the final demo and presentation. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Conduct a comprehensive evaluation of the final system.
- Finalize the documentation and presentation materials.
- Finalized documentation and presentation materials.

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| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| Date: 11/03/2024 | Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

WPR 11

B.Tech (CSE) VIII Semester

Duration: 12/03/2024 to 18/03/2024

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 50 |
| Results | Successfully conducted a dry run of the final presentation. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Conduct a dry run of the final presentation.
- Gather feedback and make any necessary adjustments.

| To be filled by Guide (strike off whichever is not applicable) | |
|--|--------------------|
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| | |
| | |
| Date: 18/03/2024 | Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 19/03/2024 to 25/03/2024

WPR 12

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 60 |
| Results | Incorporated final adjustments based on feedback. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Incorporated final adjustments based on feedback.
- Completed preparations for the final presentation.
- Prepare for the final presentation to the evaluation panel.

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| To be filled by Guide (strike off whichever is not applicable) |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student(s) (Name) |
| Student was not well (Name) |
| |
| Date: 25/03/2024 |
| Signature of Guide |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 26/03/2024 to 01/04/2024

WPR 13

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 70 |
| Results | Successfully presented the project to the guide. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Addressed questions and concerns effectively.
- Deliver the final presentation to the guide.

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| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 01/04/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 02/04/2024 to 08/04/2024

WPR 14

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| | |
|--|--|
| To be filled by Students | |
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 80 |
| Results | • Prepare for the project submission. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Make final revisions to the project documentation.
- Prepare for the project submission.
- Completed final revisions to the project documentation.
- Prepared all necessary materials for project submission.

| | |
|---|--|
| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 08/04/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 09/04/2024 to 15/04/2024

WPR 15

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 90 |
| Results | Submitted the final project report and code. |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Submit the final project report and code.
- Reflect on the overall project experience and lessons learned.

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|---|--|
| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 15/04/2024</div> <div>Signature of Guide</div> </div> | |

WPR

Amity School of Engineering & Technology

Project Group ID 176

Project Area: Machine Learning

B.Tech (CSE) VIII Semester

Duration: 16/04/2024 to 22/04/2024

WPR 16

Students Weekly Progress Report (WPR) for Even Semester of session 2023-2024

| To be filled by Students | |
|--|--|
| Students Name | 1. Mantra Jain 2. Ansh Srivastav |
| Roll no. | 1. A2305220412 2. A2305220390 |
| Enrollment no. | 1. A2305220412 2. A2305220390 |
| Project Title finalized, if Yes, give name, if NO, give reason | An analysis of Epilepsy detection and classification using machine learning and deep learning techniques |
| Synopsis submitted | yes |
| Literature review | In progress |
| Technical & Economical Feasibility | - |
| Bill of Material | - |
| Design of critical components | |
| Fabrication work (give %) | 0 |
| Experimental work (give %) | 100 |
| Results | Wrap up remaining administrative tasks |
| Report writing | - |
| Signature of students | |

Work done in this week:

- Wrap up remaining administrative tasks.
- Celebrate the completion of the B.Tech final year project!

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|---|--|
| To be filled by Guide (strike off whichever is not applicable) | |
| Performance of students is satisfactory | |
| Performance of students is unsatisfactory | |
| A warning to be issued to student(s) (Name) | |
| Student was not well (Name) | |
| <div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div>Date: 22/04/2024</div> <div>Signature of Guide</div> </div> | |