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Introduction

Leading Technology Integrated School processes

Mohon Massar Govt. UP School Mawprem, Shillong Meghalaya was established in the year 1975, it is located in Lower Mawprem. Meghalaya and is up to Upper Primary. The school was established in the year 1955, under the management of the government.

The Vision of the school : 'Together we grow, together we shine'

About the infrastructure of the school:

The new building of the school was constructed with the funding of the NGO named Round Table Conference 24 and it was inaugurated in the year 2021.

- It is a three storied building comprising of 12 classrooms, a library, a staff room and the headmistress room.
- It starts from primary (Nursery) up to the Upper Primary level (Class VIII).
- There are 11 trained teachers in the school with a peon cum chowkidar.
- The school does not have a playground which is a major gap in the school.
- The school is in dire need of school kitchen garden also.
- As it is a coeducational school, the requirements of separate toilets are fulfilled.
- The school kitchen for the midday meal is built in the backside of the school.

Introduction of Technology in the school

- The school does not have computer as a regular subject and there is no computer teacher, but the integration of technology in the teaching learning process is a necessity in today's world.
- It provides an inclusive learning environment to prepare students for a technology driven future. It enhance vast amount of knowledge and information.
- One teacher received 3 day residential training as part of the AI/Coding Lab project, which was conducted by the Govt. of Meghalaya in collaboration with Samagra Shikshya Abhiyan, IIT Guwahati, Learnhill and Stempedia.
- Training includes various concepts including on block coding, robotics, AI and Machine learning (The Introductory Level).
- AI Class was introduced once a week from class V to VIII by the teacher who had undergone the training.
- Examples of activities on AI are Alexa, Siri, Self-driving cars and so on.

Exhibition and Display of Items Received from Training

- All items received were displayed for the students to have a visual at the world of AI and robotics.
- Items include quarky motherboard and all its included accessories like hardboard frame of a robot which have to be assembled etc.
- 6 tablets and several Text Book
- Pictoblox software to learn AI and robotics

Impact of Introducing AI and Coding in Class: The impact of integrating technology in education can be seen in the following developments in the school.

- **DEVELOP CRITICAL THINKING:** Students Learn To Solve Problems And Analyze Situations Step By Step. It also encourages them to understand patterns, predictions and decision making.

- **ENHANCE CREATIVITY:** Bring students ideas to life through coding and different apps. These tools allow students to explore their creativity.

- **BUILD TECHNOLOGICAL LITERACY:** students become familiar with AI and its massive application especially in today's world and the future.

- **ENCOURAGES COLLABORATION:** Group activities for a project foster teamwork and communication skills

- **FUTURE CAREERS PROSPECT:** Coding and AI are foundational skills for many future jobs, so an early exposure sparks interest in this field.

Conclusion

As teachers, it is important to familiarize ourselves with new techniques and technology by upgrading our skills in guiding our students to discover and apply knowledge. We must be aware of the societal changes and technology as it has become indispensable for progression and improving life.

By integrating AI and coding into the curriculum, we can inspire young minds to explore how technology can help in solving problems and its many potential in the real world applications. Early exposure creates strong foundation for lifelong learning and prepares students to become future ready.