Leadership for Skill Based, Digital and Vocational Education

Institution Background

Head Teacher (i/c):	**Mrs. Bobina Tanti**
Location:	**Mariani town, Jorhat, Assam**
Student Strength in 2025:	**565**
Teaching Staff Strength:	**17**
Non-teaching including cook cum helper:	**7**
Affiliated to:	**ASSEB (formerly SEBA)**
Medium of instruction:	**Assamese**
Infrastructure (Before):	**Basic school building with small library and Science laboratory, limited co-curricular and skill-based activities.**

Introduction

PMQHRI Mariani Girls' High School, a mid-sized school in an urban area of Mariani, Jorhat faced challenges common in traditional education environment. Role learning, limited digital exposure, outdated vocational skill, lack of 21st century skill development and rise of dropout students due to early marriage, lack of concern towards the benefits of education and poverty, especially in tea garden area. In 2021 the new head teacher (i/c) Mrs. Bobina Tanti joined the school with a clear vision to transform the institution into a hub of skill based, digital and vocational learning aligned with the NEP 2020.

Problem Statement

Before the transformation, the school faced many problems related to earning and Skill based vocational education like –

1. *Heavy reliance on text book learning.*
2. *Low technology integration in classroom.*
3. *Limited career exposure and vocational at skills among students.*
4. *Teachers unfamiliar with modern teaching tools.*
5. *Lack of entrepreneurship and life skill programs.*

Students were academically average and even some were above average but lacked in confidence in solving real life problems, communications skill and digital literacy.

Leadership Vision & Strategy

Transformation model introduced

1. *Digital Classroom:*
   a. Smart classrooms and library with digital board and interactive screens.
   b. Introduction of AI, robotics, coding by making the already remaining ATL in running condition.
   c. Introduction of digital Library with smart TV.
2. *Skill-based Learning:*
   Vermi compost project now-days are a very reliable method to generate lively hood from home. It also helps students by teaching them about waste management soil health and sustainable agriculture in a hands-on way. In order to teach the method to our students we introduced a vermi compost project in our school with assistance from an N.G.O named Motion–Eco-Club in the month of August, 2024. The School Eco Club, following their instructions set up the vermi bed, shade etc.

Necessary materials to set up the project the ECO club members collected dried cow dung, banana trunks, water hyacinth, vegetable peels from school kitchen, leaves etc. The students were fully involved in setting up the project and also watering to keep the layers moist and watching out for any invasion of pests and ants. The students were marvelled to learn how a humble earthworm can be so valuable to produce vermi compost.

The compost produced from the project was used in the school kitchen garden, flower garden etc. Remaining vermi compost were packed and sold to show the students how such a project can be used to generate income and be self-reliant.

Some of the skill-based training introduced in the school which focuses on equipping students with practical skills along with academic knowledge.

- *Bridal make up*
- *Cake baking and icing*
- *Gardening*
- *Jewellery making*
- *Mehendi workshop*
- *Pipe composting unit*
- *Vermi composting*

Pictures of Skill-based Training














PIPE
COMPOSTING UNIT