

Theme: Leading Technology Integrated Schools Processes

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Innovation Of Smart Class and Computer Lab in Government School

INTRODUCTION

- Education is the most powerful tool to transform society.
- As a school leader I have focused on ensuring that our school GGIC Chunniganj Kanpur Nagar remains at the forefront of innovation.
- When I joined this school in 2021, I realized that traditional teaching methods were not enough to bridge the knowledge gap and prepare our students for a technology -driven world.

BACKGROUND OF THE SCHOOL

- Our school was established on 26 December, 2012 and it had its building in 2015.
- It caters to approx. 700 students, predominantly from low income and minority communities, facing socio economic challenges.
- Despite these adversities, we are committed to foster an inclusive learning environment

NEED FOR INNOVATION

- Digital literacy was nonexistent.
- Parents were perceiving it as a distraction
- Teachers were lacking training in digital tools.
- Technology enhanced learning could improve understanding of the subject.
- NEP 2020 & Samagra Shiksha Abhiyan also emphasize on technology in increasing learning outcome.

PLANNING AND IMPLEMENTATION

- Firstly, funds were arranged through CSR.
- SYNERGIE and VALVOLINE CUMMINS PVT.LTD provided financial and technical support.
- Lab was set up comprising 20 computers and 1 interactive panel with all other accessories required for smooth running of classes.



PLANNING AND IMPLEMENTATION

The infrastructure was kept user friendly as students were unfamiliar and hesitant towards these study methods.

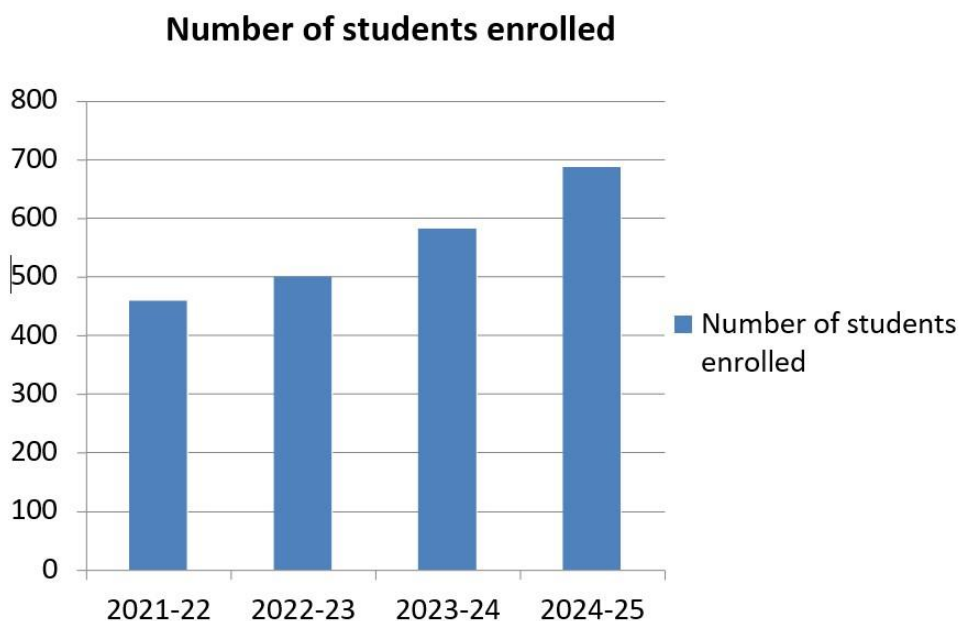
A fully functional lab with 20 desktops was established and connected to internet for access to global knowledge and online educational tools.

OUTCOMES OF THE INNOVATION

INCREASED ENROLLMENT

- Students' enrollment has increased year by year as interactive videos, animations and simulations made learning enjoyable.
- In the session 2021- 22, there were 459 students and we have 687 students enrolled in current session.

GRAPH SHOWING ENROLLMENT INCREASE IN LAST 4 SESSIONS



ENHANCED DIGITAL LITERACY

- Within a year all students developed basic computer skills and learnt using internet for understanding abstract concepts.
- Senior students created ppt presentations and used online tools for project work.

EMPOWERMENT AND CONFIDENCE BUILD

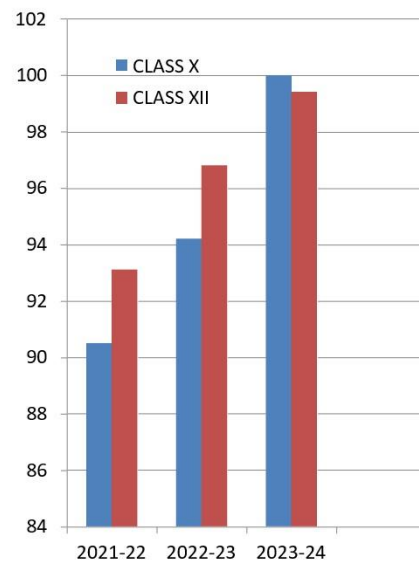
- It transformed the mindset of girls, made them dream of careers in fields

engineering, IT and medicine.

- Girls began to participate in tech competitions and coding challenges

IMPROVED BOARD RESULTS

- As apparent from the graph Every year the board results have shown remarkable increase
- The pass percentage has gone up every year since introduction of smart classes.



Teacher Transformation

- Teachers underwent rigorous training
- Workshops were organised in collaboration with tech companies.
- Teachers became more innovative and embraced technology with enthusiasm.

TEACHERS IN BETTER ROLE

Before Smart class

After Smart class



PARENTAL ENGAGEMENT

- The school became hub of inspiration for parents.
- Many parents expressed pride in seeing their girls talking about computers confidently.
- A few parents were facilitated for their spirit of support.

CAREER ORIENTATION

With technical approach developed in girls in the recent years this is data showing

career options chosen by our 87 students of previous year batch.

BRIGHTER SIDE OF THE HARDSHIP

- A regular computer teacher has been appointed by SYNERGIE to teach our students professionally.
- We have one more interactive panel provided by SYNERGIE which is helpful in taking multiple smart classes at the same time.
- Recently we have got a new ICT lab provided by State Govt.
- Many Departmental trainings and workshops are also organized in our school.
- Our school lab was district control room in UP Board Exams.

REFLECTIONS ON LEADERSHIP

- As a principal my role extends beyond administrative duties.
- It involves shared vision and fostering a culture of continuous improvement.
- Leading this innovation has been deeply rewarding as it has allowed me to see firsthand how technology can transform lives.



CONCLUSION

As a principal this experience reaffirms my belief that education is not just about imparting knowledge but also about empowering individuals to break barriers and create a brighter tomorrow