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The Impact of CM Rise Scheme on Students Learning Outcomes in Madhya Pradesh

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Abstract

The CM Rise program, introduced by the Government of Madhya Pradesh, focuses on improving school education by upgrading infrastructure, promoting digital learning, and enhancing teacher training. This research paper explores how CM Rise Scheme has affected students' learning outcomes in Chhindwara district, Jabalpur regions of the state. Using a combination of surveys, interviews, and academic performance analysis, the study assesses changes in students' academic performance, digital skills, and classroom participation. The findings reveal that modern teaching methods, digital tools, infrastructure facilities and better-trained teachers have created a more engaging and student-friendly learning atmosphere. The study also shows that CM Rise Scheme has contributed to narrowing educational gaps, particularly in rural and remote areas. At the same time, challenges like inconsistent digital access, improvement in Foundational Literacy and Numeracy (FLN), need for continuous teacher development are highlighted. The present study focuses on The Impact of CM Rise Scheme on Students Learning Outcomes in Madhya Pradesh.

Keywords: Education, student performance, digital learning, and school development

Introduction

About one crore students are enrolled in 1 lakh government schools in Madhya Pradesh. Thus, on average, 100 students are registered per school, so the quality could be better despite the high expenditure per student. In this sequence, the school education department has prepared an action plan for establishing all resourceful schools in view of the new education policy for providing quality education. By establishing these schools in

an integrated manner (from KG to class 10th or 12th), the work of study and teaching and infrastructure improvement will occur, which will improve the quality of education and the transition rate. State-of-the-art infrastructure and teachers with high efficiency will be arranged in these schools. To ensure high teaching efficiency, principals are receiving training at the Indian Institute of Management (IIM) Indore and exposure visits to nationally renowned schools.

Rs 38,375 crore is allocated for education in the M.P budget 2023. The allotted amount is Rs 5,532 crore more than that provided last year, and out of this, 3200 Cr has been allotted for the CM rise school. In the 2024-25 academic session, 280 new CM Rise Schools are set to commence operations, aiming to benefit approximately 2.5 lakh students. The government has also allocated ₹667 crore for the construction of 94 CM Rise Schools in tribal regions, with 38 schools expected to become operational in the 2024-25 fiscal year. On similar lines, under the ambitious PM Shree scheme of the Government of India, 730 schools have been identified in the state whose infrastructure and education quality will be improved.

CM Rise schools are equipped with digital classrooms, libraries, laboratories and high-standard facilities and for the operation of these schools, effective training is imparted to selected teachers,school leaders, principals and vice principals. Play-theme-based paintings and boards informing about value-based education are also put up in these CM Rise schools. These schools will include well-equipped infrastructure, Adequate and efficient teachers, provide better school leadership, parent involvement, Arrangement of quality smart classes, all types of laboratories, etc. so that all students can acquire 21st-century skills, Art, music, sports facilities, etc. for all round development of students, transport facility, pre-primary education and vocational education.

Research Methodology

The study used quantitative and qualitative data to assess the impact on the students. Quantitative data has been collected by using a structured interview (18 questions), and qualitative data by using observations and interviews with students and school principals. The sample size of the research was 80 which includes students and principals.

Objectives of scheme

- Approximately within a 15 km radius of each settlement, a high-quality school should be available for the students of the state within the ambit of this so that quality education can be provided to the students by improving the educational environment.

- There is a target to develop a total of 9200 schools in the state as all resourceful school.

Literature Review

- **Divyastuti. (2024)** Stated that The CM Rise schools will prioritize the delivery of quality education by incorporating "smart classes" into their curriculum. These innovative classrooms will provide students with the opportunity to learn from experienced teachers from Delhi and Mumbai, ensuring access to top-notch educational resources.
- **Khandelwal, Muskaan (2024)** discussed that The CM Rise Schools initiative builds on the lessons of previous government education schemes such as Sarva Shiksha Abhiyan and the Right to Education Act, but takes these efforts a step further by providing a more comprehensive approach. The goal is not just to improve infrastructure but to foster a sustainable education system that meets the needs of both students and educators.

Digital Learning and Technology Integration

The CM Rise Scheme has played a vital role in bringing digital education to government schools in Madhya Pradesh. It introduced smart classrooms equipped with digital boards, projectors, and internet facilities, replacing traditional teaching methods. Teachers were trained to effectively use digital content, educational applications, and online platforms, making classroom sessions more engaging and interactive. Additionally, the inclusion of libraries, labs, and online tests has provided students with hands-on learning experiences, helping them grasp complex topics through multimedia tools and instant feedback.

This technological shift has also enhanced digital awareness among students, especially those from rural and underprivileged backgrounds, who previously had little access to digital devices. With the help of learning apps, students can now watch educational videos, complete practice exercises, and attempt online quizzes, encouraging independent learning. Furthermore, during periods of school closures, digital tools ensured that learning continued uninterrupted. However, issues such as irregular electricity, weak internet connectivity in remote regions, and limited access to smartphones or computers at home continue to hinder equal access to digital learning opportunities.

CM Rise School Schemes and Initiatives

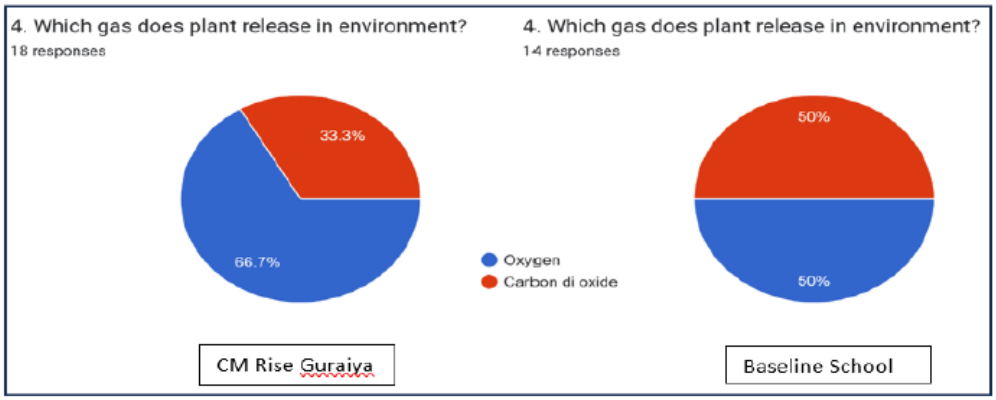
- **Integration of Smart Classrooms and Digital Tools**
  As part of the CM Rise initiative, schools have been equipped with technology-enabled smart classrooms that include digital boards, projectors, and internet access. This transition helps in making the teaching process more interactive and

engaging, shifting the focus from traditional rote learning to conceptual understanding through visual and multimedia content.

- **Teacher Capacity Building and Training Programs**
  The scheme places strong emphasis on continuous professional development for teachers. Educators are provided with regular training sessions on modern pedagogical techniques, technology integration, and subject-specific strategies, ensuring that they are well-prepared to effectively use digital tools and adopt student-centered teaching methods.
- **Upgradation of Libraries and Laboratories**
  To promote practical learning and independent research skills, CM Rise schools are provided with well-stocked libraries that also offer digital learning resources. Additionally, science laboratories are improved and modernized to enable students to conduct hands-on experiments, enhancing their scientific temper.
- **Regular Assessment and Performance Tracking**
  The scheme introduces a structured assessment framework involving both formative and summative evaluations. Students' learning progress is closely monitored through baseline and endline tests, which allows schools to analyze learning outcomes and address specific learning gaps in a timely manner.

Results and Discussions (Few questions from Lower primary to Higher Secondary)

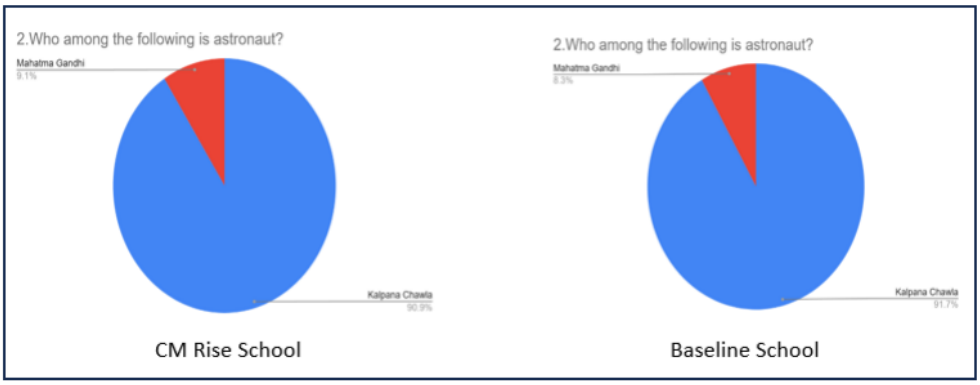
Figure 1: " Which gas do plants release in the environment? "



In the above representation, the responses to the question "Which gas do plants release in the environment? ". In the CM Rise Guraiya school, 66.7% have chosen Oxygen as the answer, and 33.3% have chosen Carbon Dioxide as the answer. In the Baseline school, 50% have chosen Oxygen, and 50% have chosen Carbon dioxide as the answer. The CM Rise

Guraiya School had a higher percentage of students correctly identifying Oxygen as the gas released by plants, showing better awareness than the Baseline School.

Figure 2: "Who among the following is astronaut?".



The data represents In the CM Rise School, 90.9% of respondents have chosen Kalpana Chawla as the answer, and 9.1% have selected Mahatma Gandhi as the answer. In Baseline School, 91.7% have selected the option Kalpana Chawla, and 8.3% have selected Mahatma Gandhi. Both schools had a high percentage of correctly identifying Kalpana Chawla as an astronaut, with Baseline School having a slightly higher accuracy.

Figure 3: "What does a dictionary provide?"

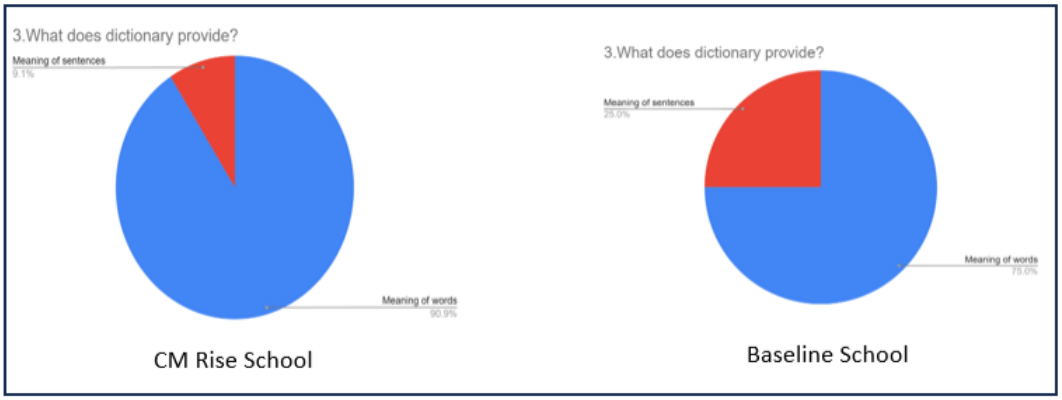
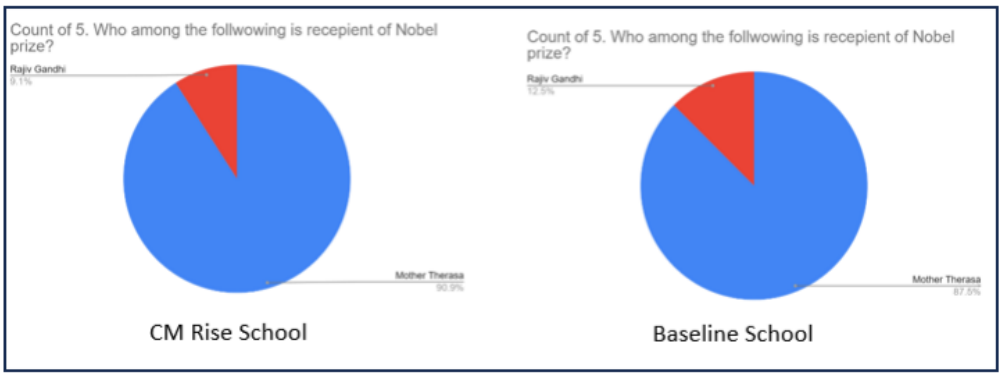


Figure 3 represents In the CM Rise School, 90.9% of responses were Meaning of words, and 9.1% of responses were Meaning of sentences. In the Baseline School, 75% of responses were the Meaning of words, and 25% of responses were the Meaning of sentences. CM Rise School students demonstrated a higher understanding of the primary purpose of a dictionary.

Figure 4: "Who among the following is the recipient of the Nobel Prize?".



90.9% have selected Mother Theresa as their response, and 9.1% have selected Rajiv Gandhi as their response. In the Baseline School, 87.5% have selected Mother Theresa as the response, and 12.5% have selected Rajiv Gandhi as their response. The CM Rise School respondents displayed a slightly higher accuracy in recognizing the recipient of the Nobel Prize.

Figure 5: "A ball thrown in the sky returns back to earth due to?"

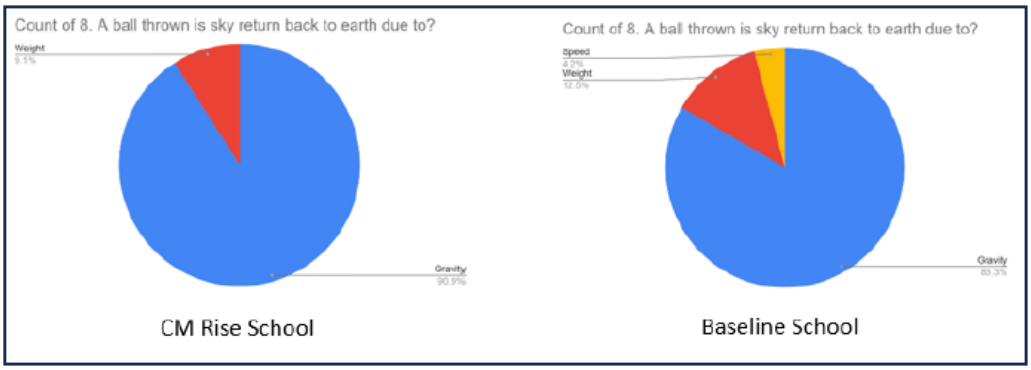


Figure 5 represents the response to the question, "A ball thrown in the sky returns back to earth due to?". In the CM Rise school, 90.9% of respondents have chosen Gravity as the response, and 9.1% have selected Weight as the response. In the Baseline school, 83.3% have selected Gravity as their response, 12.5% have selected Weight as the answer, and 4.2% have selected speed as their response. CM Rise School respondents had a higher accuracy in understanding why a ball returned to Earth.

Limitations of the Study

This study on the impact of the CM Rise Scheme on students' learning outcomes faces certain limitations. Firstly, the study was conducted after implementation of scheme

during 2024 so baseline survey was taken using RCT method in Government Higher secondary school, Rohanakalan, Chhindwara. Secondly, factors like socio-economic background, parental involvement, and access to digital devices at home were not fully accounted for, which could influence learning outcomes. Thirdly, the research is conducted for Chhindwara district therefore the applications of findings and suggestions are limited while considering broader perspective.

Concluding Remarks

In summary, both schools generally displayed good knowledge of the topics covered, but the CM RISE School tended to have slightly higher accuracy than the Baseline School. Hence, we can say that the CM RISE scheme has improved the quality of education; hence, the scheme is successfully achieving its objective. However, in order to make this scheme more efficient in the survey school, the CM Rise school has to give more focus on Foundational numeracy and arithmetic at the primary level and improvement in General Science; General knowledge is needed at upper primary, secondary and higher secondary level to achieve the objectives of the scheme at par. If implemented sustainably with regular monitoring and refinement, the CM Rise Scheme has the potential to become a replicable model for other states, ultimately contributing to the strengthening of the entire education system in India.

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