

Research Article

School Dropouts of Students and Challenges in India with Special reference to the Elementary Education

Rekha Bishnoi

Abstract

Students who Dropouts of school often have become a growing concern of the global community over the past few years. In our simulation, we illustrate the manner in which a single factor has an impact on the academic pursuits of students, which increases their tendency to dropouts of school. This new view of child development places an emphasis on child welfare, protection, education, and a healthy prospects for the future as necessary developmental requirements for a. Children have rights such as the right to be granted all three items listed above, the include: the right to life, the right to creation, and the right to take part in it. This involves the state, civil society, non-governmental organisations, and other involved stakeholders taking a greater interest in the needs of children as a way of life goes forward with their well-being. A number of NGOs have done projects in the human development sector, as well. Since there are numerous developing countries around the world, NGOs play a particularly important role in the educational growth of the population in these countries. India has a very high dropout rate for high school dropouts. Additionally, there are various social and economic restrictions on school attendance in Karnataka that account for the large number of dropouts. The current study focused on community-based organisations working to lower the number of students who dropouts of school in Mysore. The results of the study are highlighted in this chapter, which also includes involvement of non-profits in development and the problems and priorities for students who dropouts of school, as well as Indian dropouts in Karnataka, are discussed extensively.

Keywords: Dropouts, Education, academic, Development, organization etc.

1. Introduction

Dropout is one of the many problems posed in a teaching approach called a school-process failure, which is usually articulated in terms of how well an educational programmes orient students, how effectively they help them transition from one level to another, and whether they fulfil student needs, and if students graduate. We regarded drop-out as a situation where students do not reapply to the university or drop out each year prior to a new applications were not being accepted. Several schools have started formulating and using management strategies, including providing encouragement, administering, and tracking of dropout trends to impact perseverance, as well as strategies for disengagement and get them down. The second challenge for educators is the lack of educated graduates who can't earn a living because they dropped out of school, which has become a significant problem in our nation today's society. To begin with, dropouts, if we are talking about

¹Assistant Professor of Geography, SMPBJ Govt College, Sheoganj (Sirohi) Email: rekhabishnoi2090@gmail.com

students who leave before graduation, are a costly proposition. The number of dropouts in the country was much higher than that of those who completed their course of study. This is to extend, research, discover, and apply various computerised approaches to evaluate the pattern pool of educational data —without data mining, it would be hard or impossible to accurately evaluate.

Socio-economic constraints, failure, inadequate facilities, cultural issues, and government neglect have all contributed to the high school dropout problem in India. the child's absence from school suggests a person's propensity to not finish their education There is also a certain amount of absences due to absenteeism linked to the frame of time that is selected. To participate in classes outside the required duration of the duration of the school year, the reasons like child health or disinterest of the parents must be checked and corrective measures must be put in place to keep the child attending the classes on a regular schedule. retention and non-engagement, among other measures, are calculated in several different ways. the retention rate (the number of students who remain at each school after the first semester) minus the repeaters (those who drop out of the first time) is called the net dropout rate Enrollment and attendance may be used to assess absenteeism in a class.

among these, school dropout is highly affected by a variety of factors such as social status, economic status, cultural conditions, psychological attitudes, instructional climate, the mindset of the pupils, and the students' attitudes toward school, along with the involvement of parents and the students. Dropout occurs when a child does not attend school on a regular basis. Teachers are responsible for beginning a proper interventions to help ensure that students in the school turn up on time every day. the retention rate (the number of students who remain at each school after the first semester) minus the repeaters (those who drop out of the first time) is called the net dropout rate We must ensure the retention of children in school as much as we can. To ensure long-term learning, we need to take care of internal factors (person, programme, organisational, etc.) when implementing actions (teaching, changes, interventions) within educational institutions.

For children under the age of fourteen, all are required to attend school. By 2021, India's GDP, the Indian government has committed to increasing education expenditure on education to six percent. A significant number of Indian children are out of school, which means many of them are unable to access an education. Many of those who do not participate in the class are procrastinators. Some drop out of the programme while it is underway, while others progress. Graduation can be abandoned for a variety of reasons. For example, poverty, unemployment, insufficient academic training, or career skills, and general inaccessibility are often cited as reasons that may dissuade people from college education. The dropout rate is calculated as the percentage of pupils that have dropped out by a certain grade or level of education before they finished school, as a proportion of the number of all pupils who have been in school up to that stage.

1.1 Objectives of the Study

1. To study school enrolment of students in India.
2. To access the dropouts in elementary Schools in India.
3. To analysis the dropouts rate in schools in India.

2. Issues and Concerns to Dropouts

The post-independence upper caste in urban areas took advantage of their educational facilities while people benefited from them more the hard-working rural Dalits, the religious groups, and the economically-backward communities of India were not able to. Empirical research suggests that parental education has a substantial effect on student performance, and that children from more qualified parents are less likely to drop out of school. Although it aims to include all students regardless of financial ability, the 1986 National Policy on Education is centred on the fundamental proposition that students should engage in conventional educational activities and those who are unable to should be enrolled in such as accommodations for the specific needs of diverse types of learners.

As set out in the article 45 of the constitution, this initiative provides a free and equal education for all young people from the age of six to fourteen. The UN Convention on the Rights of the Child was signed in 1992 by the Government of India. The 83rd Constitutional Amendment, 1997 is designed to ensure the right of all children to free primary and secondary education for all as well as post-secondary education up to the age of 14. The U.S. Department of Education's National Policy on Education was set out in place in 1992 and discussed the problems of access and quality and equality in educational systems in several other significant ways. Certain variables, including the school environment, socio-economic status, socio-psychological tendencies of families, lack of interest, socio-economic barriers, or ability to send their children to school, as soon as they are present, and the age of the child, impact on which certain parents, and parental negativity towards education are important to their offspring's readiness to drop out.

In order to increase the nation's human capital, India has put a high emphasis on increasing the general education levels of human ability, and thereby making education widely accessible. education to provide financial assistance and jobs as well as opportunity, not only primary and secondary school-level, but also university level, and has provided several opportunities for families to increase the value of their children's education, which is beneficial for people of all kinds Narendra Modi announced a series of new initiatives in the new millenium that had a clean approaches to modernization. Enrollment of all children of school age is a vital aspect of getting to the entire population up to reading comprehension.

The Millennium Development Goals have put forth the focus on educating the entire population, on one side, and increasing the level of gender equality on the other. Social justice and economic equality were emphasised in the establishment of an educational system that was first issued in the (The National Policy on Education, 1986). The Sarva Shiksha Aavaya Abyan was introduced in India in the year 2001 to serve the primary education needs of primary school children in the age group of 6 to 14. This is being governed by the state and municipal and union-territory Governments/Territory governments and (or related word, e.g. Council of the Yukon, Council of the Northwest Territories) agencies. However, to solve the problem of maintaining and reducing India's school dropout rates, the country's education stakeholders must confront a great challenge, namely that of lowering the dropout level.

3. Dropouts and Enrolment at School Level

The primary school student population in India declined from an unprecedented 28 to 1 in 10 and the upper primary school population from 30 to 1 in 10 to the past few years. According to the Right to Education Act, the public school PTW (primary-to-to-transition class size ratio of 30:1

School Dropouts of Students and Challenges in India with Special reference to the Elementary Education

and upper primary class size ratio of 35:1) is to be adhered to. Over 30% of primary schools and 15% of upper primary schools have their quantises above the 30: While this has not been defined, approximately 30% of primary and 15% of upper primary schools have quantiles over the 30: equivalent to 35:

Although 80 million children are out of school because of this UNICEF claims, the pupil dropout rate is estimated to be at 19% (the UNICE aphorism study claims that this to be roughly correct), out of this population, approximately 70 million go on to work as an uneducated workers.[Children supposedly being out of school because of UNICE claims the dropout rate is 19%, about 70 million people go to jobs represent work for this demographic. While India has almost reached its goal of universal access to school attendance at the primary level, it has a comparatively high dropout rate of 40% at the elementary level. In the country's 12th Five-Year Plan, the dropout goal was not reached, which indicates that India failed to achieve its target of a reduction in the percentage of 40% in elementary school dropouts to 20%. A detailed analysis (2013:05) done by Child Rights and Children (identified some alarming features) shows some deeply concerning findings. All of which amounts to who had the capacity to benefit from formal education has fallen out of our country-is out of, who is out of school includes about four in four hundred million of those who have had the capacity to profit from it (Census 2011).

Terminal Data indicates that only 80 of every 100 children finish school with the proper level of achievement in TESOL 2: 40% of children improvement is retained in district evidence for TESOL 2 tells us that, of every 100 children, only 40% of their learning is actually remains when they reach the age of schooling, leaving just 80% of those still with success; the outcome is more children with better educational achievement (DISE 2014-15). This system supplies current demographic and student data for only for 2% of the schools that provide secondary education to post-U.Saying that offer middle school to senior high school) (DISE 2014-15).

Human resource development has remained deficient because the policy makers have not provided sufficient education for the eligible people at the required moment in the right time. developing countries, in which there is a high school dropout rate, there is a pressing need for more of their students to stay in school As of 2012, tens of thousands of children still had no schooling due to either one or more factors since the Supreme Court's decision on Educational Rights in 2012. An positive mix of both in general education has led to a slight average enrollment level of students (roughly 1.5-to-to-1) that leaves much to be desired. retaining the students in modern primary and secondary schools after they leave the Serva Shiksha units becomes more difficult after Abhiyan Shiksha has done their informal schooling

The proportion of dropouts also increases considerably as the number of children grows. The level of dropouts come down when the landholdings can be empirically substantiated (Sengupta and Guha, 2002:21). These groups are going to the education later than most, resulting in better lives for their members and generations to come (Borooah, 2003:03). Due to the fact that more young Indian girls drop out of school than boys, there are less young people attending tertiary level education, gender ratios have widened in the primary and secondary levels. However, in some states the gender imbalance in school enrollment appears to continue and may even worsen, with less severity in other states (Rao and Mohanty, 2004:18).

Many Muslim society are very cautious about education. It is accepted that in Muslim societies, a common belief is that those who are less educated hold conservative values (Husain, 2005:13). A high percentage of dropouts is seen in the SC, ST, and minority groups in India, as well as those

who are in lower economic and social classes and considered disadvantaged groups. Muslims are as a people are traditionally less educated or literate because of earlier unfavourable socioeconomic circumstances is an affliction. After liberation, members of the higher castes had an advantage in enrolling in college because they had less of a problem with basic education and were more likely to be on track for secondary education than those in the middle castes who were at a lower level and could not go to school because of their low literacy levels (Bhat and Zavier, 2005:02).

It was also discovered that schools with a high repeat occurrence of school repetition would have higher dropout rates over the primary term. In India, the share of the country's GDP dedicated to education is lower than that of that of China's. About 35 million Indian children between the ages 6 and 14 and 17 years are staying at home to help their parents cope with read on the path from elementary to secondary school to 8.5 times as they have 2.7x times the probability of being unable to read if they had left earlier (Choudhury, 2006:06).

Additionally, the material revision included the creation of curricula, textbooks, as well as well as the preparation and orientation of teachers and curriculum experts (Mohan and Vaughan, 2008:14).

Although there is a correlation between educational access and the percentage of the population with a high standards of living, the standard of living index is also associated with students' success in education. demographic variables have been found to be strongly associated with dropout rates in India, as people in India have more children and their parents typically have lower levels of education (Frances, 2008:09). a societal concern is linked to the fact that many children and youths do not complete their education because of socioeconomics dropout occurs when the level of infrastructure, education, as well as education quality, are significantly improved and/When we put more resources into education, we decrease the number of dropouts.

some factors include personal failing academics, insufficient access to colleges, an excessively demanding learning climate, teacher violence, weak financial hardships/ preventing an underperforming students from remaining in school, out-bumping, or financial/study help pushing (Reddy and Shantha, 2010:19). It is thought that those children living in rural areas are less likely to remain in school because of the quality of their living conditions and infrastructural facilities, particularly compared to those in urban settings (Govindaraju and Venkatesan, 2010:11).

An significant aspect of the worldwide literacy issue is the literacy rate in India, which is currently at 84%, is that in India, many Indians cannot read. As of any country on earth, India's population is the world's largest number of illiterate. In India, there is a considerable gender gap in literacy rates, where women are underrepresented. When calculating the number of students who may fail to graduate, the drop-out rate is in the Education Department's possession appears to be crucial, but the item is apparently missing. Both girls and boys cited financial issues as the key cause of their dropping out of high school. The girls, along with the economic backwardness of their families, find themselves unable to continue their studies because of their domestic chores.

There is a huge, long-term need for concrete, sustained, multi-pronged efforts for literacy push. We must attempt to close the gender gap by considering the complex relationship between household jobs, paid labour, and education if we are to succeed in ensuring equal representation in all categories of males and females. It is generally recognised that teachers' efforts are only able to decrease dropout rates if they investigate and consider the problems that cause children to leave their schools (Rani, 2011:17). The disproportionate representation of drop-out rates in the traditional schooling has exacerbated the overall inefficiency of the system.

School Dropouts of Students and Challenges in India with Special reference to the Elementary Education

This result indicates that girls are at a serious disadvantage relative to their male students at every educational level. their enrolment is lower than the total student population and their dropout rate is higher for those with lower levels of education. On the other hand, it is a common sign of educational backsliding when the dropout rate increases significantly over time. Among the elderly people and lower-class individuals, the underarm deodorant was shown to be significantly more effective than antiperspirant, an underarm deodorant is effective in stimulating armpit sweat glands in elderly people and lower class individuals (Devi and Mahesh, 2011:07). Successful strategies for making scholarly contributions to society has been impeded by an educational environment that has neglected to engage the population with the newest generations. Thus, child marriage has made a huge effect on the issue of girl and women discrimination in the north of India.

Although these statistics show that universal enrollment, retention, and completion in both elementary and secondary education can only take place if access and financial restrictions are reduced, in India, a factor particularly common observation was that many Indian families were unable to pay school fees for their children and reduced the fees especially for those of the poor in order to guarantee that their families stayed in school (Mukherjee and Sikdar, 2012:15). According to an Economic Survey of India report, employment generation and earnings growth for adults in India have fallen short of expectations. According to these writers, adults are forced to leave the schools because of lack of livelihood opportunities in the region.

While poverty eradication and elementary education expansion are two goals that can rarely be fully accomplished, raising our own economic power will involve working together in tandem (Mukherjee, 2011:15). Fewer dropouts and greater growth can be seen in well-educated and economically advanced nations. Households and family history is a key factor in deciding whether or not a student drops out of school (Satadru and Anit, 2012:20). In addition to this, there are issues concerning basic necessities including nutrition and health care in the provision of school facilities. Teachers are also serve as a role in perpetuating student achievement gap in secondary schools since there is a shortage of them in the primary schools as well.

However, attempts to ensure equal human rights, equality, as well as to give the tribe dignity and to its members have failed to reduce the number of tribesmen who are illiterate. On the one hand, there have been all kinds of restrictions on their education; on the other, it has been fueled their determination to learn. A great number of Native American schools are without teaching aids, or any other writing tools, aside from chalkboards. The tribes and the police and educators overlook these types of offences because no effort has been made to improve the quality and style of lessons and teaching methods for this demographic.

The programme was broken down into component parts for children on reservations, making their cultural differences disadvantage even more apparent. All of these laws forces them out of of early school and out of the education system, and the education itself is just a fantasy for them (Haseena and Mohammed, 2014:12). Dignified and well-appearing educational facilities, impressive instructional methods, appropriate teacher-student relationship building, and training of parents, and parental acceptance can have a substantial impact on student attrition.

The notion that children should be economically exploited is an affront to human dignity. Children are continuously being abused by putting their potential well-being, their welfare, and their ability to get an education are all in jeopardy due to India's harsh business climate. Perhaps worse are the girls who have to suffer situations of their own making. the earning capacity of girls naturally increases as they are given more opportunities for education Teaching them how to conduct life-

related negotiations with respect to their assets will teach them the skills they will need to acquire in their own lives (Chandramohan, 2015:04). Low-income students are more likely to stay in school when their needs are more strongly addressed, especially in India.

Expanding opportunities for students who cannot afford college is the greatest problem affecting educational outcomes around the world. dropping out of schools was attributed to factors like infrastructurality of the school facilities and unfavourable parental expectations. To have narrowly tailored ways of identifying students who may have the ambition to leave, it is first important to recognise students who show interest in leaving. access is only one part of the equation, which needs to be increased for a more equal and widespread delivery of education It is absolutely necessary for the long-and rapid-term success of India's education system that students undergo good remedial training (Ahir, 2015:01). In order to deal with the issue of high school dropouts, job generating projects that could be instituted for the parents would be a great benefit. Every single company and non-profit organisation should aim to meet consumers where they are. Decentralization is a necessity for growth and prosperity.

A new study released by the United Nations Population Fund (UNFPA) shows that one-third of the world's girls are married off before the age of 18 in India. Studies have shown that dropouts are disproportionately higher among young people who were married as children relative to those who weren't. It is of critical importance that girls aged 15 to 18 years and older receive their fair share of all future political and economic gains made by 2020, as they are, for the first time, gaining more of a stake in the world's future than their younger sisters (Education News Agency, 2016:08).

While Indian students' rate of non-enrollment in education is slowly declining, the incidences of dropping out of school are still concerning. have finished class 6 by the age of 15, among the 68 million who are enrolled in primary school in India, only about 66% would make it to grade 6. access to elementary education is considered a major in the school dropout is considered a major in all Indian society. A permanent record of socioeconomic status in each generation is required for them to know their relative position in society. and intra-generational mobility go hand-hold saver for parental education Students in both the private and public schools should work environments should take a three-point approach: 1) using the systems developed by the government, drop out once to get back in 2) then start over again with the systems developed by the government, and 3) don't give up on education after starting once (Gloor et. al, 2016:10). Cooperative action by government and civil society are needed to help discourage children from entering into child marriage, as well as other types of violence and vulnerability.

4. Methodology

The analytical method was conducted for School dropouts in Indian States. The data was collected by Secondary sources Research papers/Articles, magazines, Newspapers, Internet sources etc.

5. National Level Trends and Cycle/Grade Selection

A. Net Enrollment Rate by Cycle

the Primary and upper primary student enrollment also saw a steady rise from 2005/ These figures indicate an increasing enrollment between the primary and upper primary levels. While nearly all

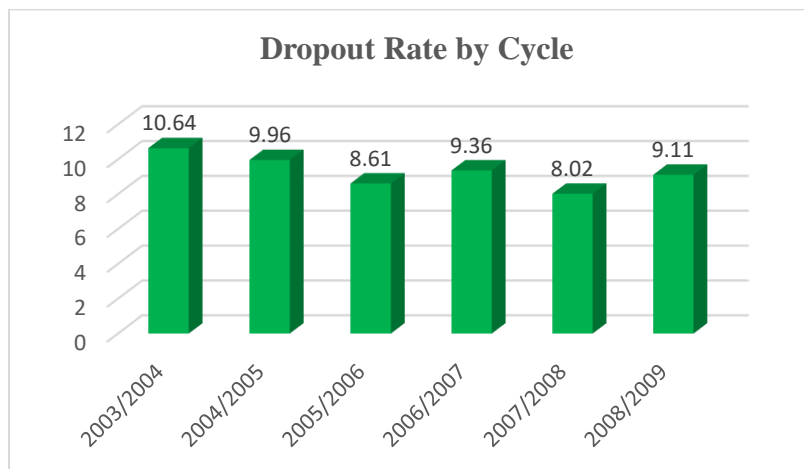
the primary-age population children in India are in school, enrollment at the primary level has not increased in proportion to population growth. However, primary-to-to-to-primary enrolment declines by 40 points, which is the equivalent of a substantial drop of 20% of primary students. This suggests there is a drop between primary and upper levels of 20% of students who fail to total drop out, or complete, their education (i.e. have stopped after upper school.)

In the case of students in the primary and upper primary level, there has been a small decrease in the enrollment rate since 2007. While UNESCO has attempted to provide estimates of gender-disaggregated numbers for school enrollment, the numbers have not been comprehensive, there is evidence that this data is incomplete. the proportion of boys and girls in primary education at the beginning of 2007 was 3.4% higher than the number of girls who were in school at the start of that year, according to UNESCO.

B. Dropout Rate by Cycle

Dropout Rate represents the proportion of students who were still enrolled and those who dropped out in the following the year. Secondary/9-year (or higher) school data was not available for the DISE so comparisons could not be made, and (grade 8) dropout rates could not be estimated. Therefore, this measure of education for Dropout rates was abandoned: (1) The school absenteeism ETA uses methodology for classifying dropout has no way of telling whether or not it's low, therefore may be inaccurate, so it may be too low; and (2) India has a different dropout situation compared to what it recorded in the 2005; and Entrance and Students study of 2007; both of their report methods are incorrect; and (3) so, India may be too, perhaps. Dropout trends from DISE per-C are examined rather than the overall dropout percentage at the national level (Figure 1). This major finding is that dropout has been found to be roughly unchanged since 2003, and there appears to be a difference in levels among different schools. The data show that, on average, dropout rates have decreased by 1.1 points from 2004 to 2007/2008, but the biggest decline occurred between 2006/07 and 2007/08, dropping by 14.3 percentage points.

Figure 1: National Dropout Trend—Primary Level, 2003/04 - 2008/09



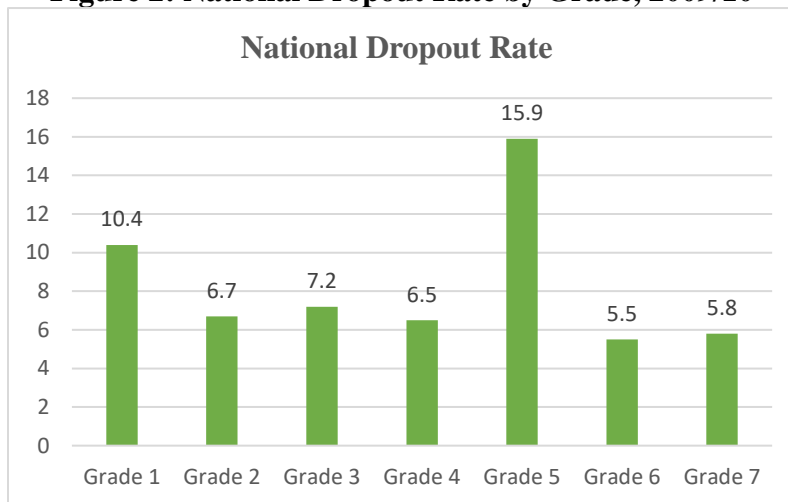
C. Dropout Rate by Grade

Dropout rates were also evaluated to assess which grade levels are most likely to have a high

numbers of dropouts (s). DISE figures indicate that 15.9% of primary grade 5 students drop out of school between Grade 1 and graduation, with this as the next-to-highest dropout grade, followed by Grade 1 (1st year of elementary school) (10.4 percent). teachers refer to grade 1 dropout rate, which is typically attributed to high levels of under-age enrollment, which can be shown as students dropping out at the initial stages of their education and then enrolling in grade-level classes later.

- In the figures, Grade 5, the dropout rate is 53% more than it is in earlier, and that of primary and upper primary (grade 1 and grade) students is 189% (grade 6).
- The high grade 5 dropout rate is congruent with the drop in the NER between the primary and upper primary levels.
- The dropout rate for grade 6 and above that (5.5 percent) is in total appears to be congruent with grade 7's dropout rate (5.8).

Figure 2: National Dropout Rate by Grade, 2009/10

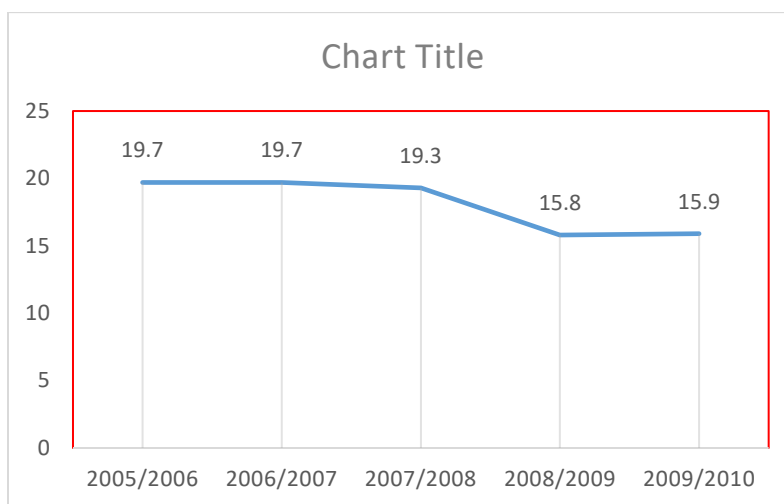


D. Target Grade/Cycle Selection

Since every indicator has a different goals, we will apply the dropout rate as the target grade for SDP (s). When it comes to grade 5, the dropout rate is the highest in the main cycle and the upper primary levels. Large differences in the NERs for primary and upper primary also mean that many students are not making the grade 5 to grade 6 transition. SDPP can concentrate on preventing dropout in grade 5 by using the dropout data to notify the selection process.

When it comes to grade 5, the overall national percentage of kids dropping out is seen in Figure 3. Overall, the dropout rate has been steadily decreasing over time, which corresponds to a rise in NER at the upper primary level, meaning that more students are transitioning from primary to upper primary school. The grade 5 dropout rate decreased by 3.8 percentage points between 2005-06 and 2009-10, a nearly one-percentage-point dropout reduction on an annual basis.

Figure 3: National Dropout Trend for SDPP Target Grade, 2005/06-2009/10



6. Conclusion

The scientists were only able to arrive at the conclusion that when they went beyond the box, away from the limits that they were operating under, and integrated items not previously incorporated into their theories, in their predictions. to help every child or family escape hardship from the Act for Whistle-blower Protection (2012) provides a basis for ensuring every child receives a quality elementary education and keeps family budgets free of any direct or indirect costs. Education researchers estimate that a significant numbers of young children are unable to complete the primary education cycle despite the ever-increasing demand for of their age group. The government should strive to make sufficient educational infrastructure, teachers, as well as setting up the resources to achieve the goal of comprehensive education for students with special needs, available to all citizens. but governments have struggled to achieve these targets because of inaction on the part of the part of governments and social irresponsibility It is a further increase in the number of the country's total school dropouts. India will need to change its educational paradigm by going with these latest methods, so that we can get the results from the transformation and empowerment of Sarva Shiksha. Many issues concerning basic education (in India) necessitate broadening of the cultural, geographical, social, and economic aspects need to be taken into consideration to help educate the Indian population.

A significant problem for rural and urban Indian education for a long time is that many dropout cases are found among those who leave the system within the first few years of study because of financial need. Even after the large numbers of people had dropped out of schooling, dropping out of school was still an extremely popular for India's jobless youth. The skills and training offered in the formal and non-formal schools is lags behind those available in the job market. An additional problem facing India is the deceleration in the rate of growth in the labour-force quality. Academic advancement is an important step in providing people with the requisite skills to transform the student lives, so that students have the tools to better themselves live in society, but educational systems are not enough on their own to effect real economic and social mobility. There are no doubt more government jobs created in agriculture in India because of the implementation of the Pradhan Mantri Kender (a cluster of agricultural science and education institutes in India) Students

who fail to complete their education or are unmotivated in school will also be stopped from moving into the job market economy. This programme would also stop students from exiting the economy.

References

1. Ahir, Kinjal V. (2015). Dropouts in School Education in India: Magnitude and Reasons, *Paripex - Indian Journal of Research*, 4(5): 363-364.
2. Baker, R.S.J.D. (2010). Data Mining for Education. *Int. Encycl. Educ.* 7, 112–118.
3. Bhat, P N Mari and A J Francis Zavier (2005). Role of Religion in Fertility Decline: The Case of Indian Muslims, *Economic and Political Weekly*, XL(5):385-402.
4. Borooah, Vani K (2003). Births, Infants and Education: An Econometric Portrait of Women and Children in India, *Development and Change*, 34:67-102.
5. Chanramohan, G (2015). Dropout rate of students & the reasons in India, Aalayam Foundation, December 8, www.aalayam.org
6. Child Rights and You (2013). Transforming Lives, Sculpting Futures, Annual Report, www.cry.org
7. Kotsiantis, S. (2009). Educational data mining: a case study for predicting dropout-prone students. *Artificial intelligence in education: supporting learning through intelligent and social informed technology* 1(2), 101–111.
8. Márquez-Vera, C., et al. (2016). Early dropout prediction using data mining: a case study with high school students. *Expert Syst.* 33(1), 107–124.
9. Roy, C., Pandey, M., Rautaray, S.S. (2018). A proposal for optimization of horizontal scaling in big data environment. In: *Advances in Data and Information Sciences*, pp. 223–230. Springer, Berlin.
10. Rumberger, R.W. (1995). Dropping out of middle school: a multilevel analysis of students and schools. *Am. Educ. Res. J.* 32(3), 583–625.
11. Shahidul, S.M., Karim, Z. (2015) Factors contributing to school dropout among the girls: a review of literature. *Eur. J. Res. Reflect. Educ. Sci.* 3(2), 25–36.