

ZEP Prathisthan

In today's edition, we highlight Zep Prathisthan, a trailblazing organization founded to ignite change through education and empowerment. Zep Prathisthan focuses on providing underprivileged children with access to education while fostering holistic development. With a strong emphasis on life skills and personal growth, the organization works tirelessly to equip children with the tools to become self-reliant and confident individuals. By addressing educational inequalities and creating nurturing environments, Zep Prathisthan is transforming young lives and laying the foundation for a brighter, more equitable society.

Yash Vikas NGO

Today, we also turn our attention to Yash Vikas NGO, a pioneering initiative founded by social visionary Jayvant Patil to uplift marginalized communities in Maharashtra. With a focus on education, vocational training, and women's empowerment, Yash Vikas addresses socio-economic challenges at their roots. From providing nutritious meals to children of brick kiln workers to empowering women through skill development, the organization is creating sustainable change across generations. With its grassroots approach and unwavering commitment, Yash Vikas serves as a catalyst for brighter futures, proving that small efforts can lead to monumental transformations.

Learn more about these stories on page number 3 & 5.

Using AI for Teaching Government School Children in India

The essential prerequisites for AI [Artificial Intelligence] to work effectively are:

Data Availability and Quality: AI systems rely on large volumes of data to learn and make accurate predictions or decisions. High-quality, diverse, and labelled datasets are crucial for training machine learning models.

- a) Data must be relevant, unbiased, and representative of the problem space.
- b) Clean and structured data enhances the accuracy and reliability of AI models.
- c) Data privacy and ethical sourcing are critical in ensuring compliance with legal and ethical standards.

Computational Power and Robust Algorithms and Models are the other two. Each of these prerequisites forms the foundation of effective AI systems, and their alignment ensures the successful deployment and operation of AI solutions. We shall discuss the need for clean, relevant, and voluminous data here.

1. Student Data Collection: AI systems gather data from various sources to personalize learning experiences. These are:

- Learning Management Systems (LMS) for collecting student performance metrics, attendance, and interaction data.
- Assessment Results: Data from quizzes, tests, and assignments.
- Activity Tracking: Interaction patterns, such as time spent on tasks, question-answer logs, and participation in forums.
- Demographic Information: Age, grade level, language proficiency, and special learning needs.

2. Content Data: AI tools rely on vast amounts of educational content, sourced through:

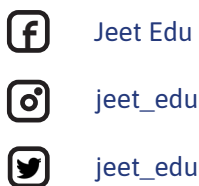
- Open Educational Resources (OER): Publicly available materials like Creative Commons or Government databases.
- Publisher Partnerships: Collaboration with textbook publishers or content creators to digitize and structure their materials for AI applications.
- User-Generated Content: Input from educators or students, such as custom quizzes or assignments.

**Join JEET by becoming
a member**

If you are passionate about making an impact in the education sector, we encourage you to join JEET today and become a member of the movement to transform education in India. As a member, you will have the opportunity to work with a network of NGOs, governments, organizations, institutions, and individuals who are deeply committed to promoting quality education for all.

To become a member of JEET, simply scan the QR Code below.

Join us today and let's work together to eliminate educational inequality and promote quality education for all.



3. Contextual Data: AI systems incorporate contextual data to enhance adaptability:

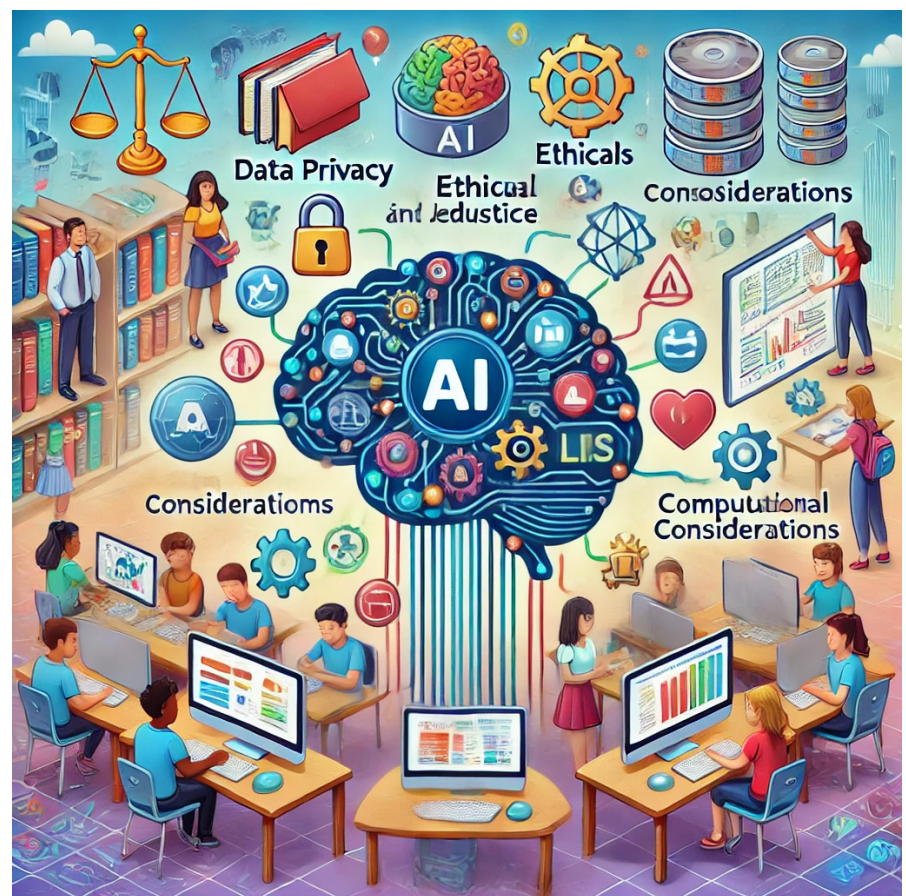
- Behavioural Insights: Learning preferences and engagement metrics derived from interactions.
- Environmental Factors: Data about classroom dynamics, peer interaction, or even external socioeconomic factors influencing learning.

4. Data Integration and Standardization: APIs and Platforms: Data from different systems is integrated using APIs, ensuring interoperability (e.g., IMS Global Standards).

- Natural Language Processing (NLP): To analyse written response or textual data.
 - Structured Datasets: Standardizing data formats for compatibility, such as SCORM (Sharable Content Object Reference Model) or xAPI.
- And finally,

5. Ethical Considerations: The data sourcing process must adhere to Privacy Laws like GDPR, DPDP Act, or local data protection regulations to secure student information; Consent Protocols ensuring that students, parents, or guardians provide informed consent for data usage and, Bias Mitigation by ensuring diverse and representative data to avoid skewed AI recommendations.

Thus data that is inherently pure forms the backbone of AI systems. The sooner Government backed Indian education system rises up to this challenge the better. To add to our challenges, vernacular content that supports more than 60% of Indian students is sparse and thinly spread out hence requires planned scaling of ethnic AI based learning environments.



Zep Pratishthan: Empowering Lives Through Education, Empowerment, and Community Development

Founded on September 27, 2011, to commemorate the birth anniversary of Shaheed Bhagat Singh, Zep Pratishthan (Leap of Faith) began as a grassroots initiative aimed at addressing critical social issues in rural Maharashtra. The vision of its founder, Vikas Dhanwade, who overcame tremendous personal adversity, has transformed the organization into a beacon of hope for thousands of underprivileged families.

Zep Pratishthan (Zeal to empower people), is leap of faith that zep take towards making the society a better place to live. Zep's efforts are to leverage people's knowledge and expertise to help them have faith in their abilities. By creating a supportive environment, they try providing coaching, mentoring and opportunities for development. They commenced the journey aiming to address critical social issues faced by our society. Zep focused on issues like lack of educational facilities to underprivileged class of people, healthcare, unemployment just to list a few in the rural areas of Maharashtra.

The Founder's Journey: A Story of Resilience

Vikas's journey to establish Zep Pratishthan is a testament to perseverance. His father, a mill worker, lost his livelihood when the mills shut down, plunging the family into a financial crisis. The hardship worsened when Vikas lost his mother during his 10th grade, forcing him to juggle multiple part-time jobs while continuing his studies. From distributing pamphlets to delivering newspapers, Vikas managed to complete his B.Sc. Dreaming of a career in sound engineering, financial constraints led him to pursue a mainstream graduation instead. Despite this shift, he excelled in his chosen path, steadily climbing the corporate ladder. Today, he works as a Manager at a leading US Healthcare IT company.

Having established himself in his career and personal life, he turned his attention to a cause close to his heart: helping children who struggle in their education due to a lack of basic resources. His firsthand experiences of witnessing the challenges posed by poverty and limited opportunities fueled his belief in the transformative power of education. Determined to make a difference, he embarked on a mission to empower children facing similar struggles, ensuring they receive the tools they need to succeed. Today, he credits education for his success and stability in corporate life, attributing it to a continuous learning process. Having been raised in a financially disadvantaged background, he firmly believes that if he could achieve such milestones in life, proper education and guidance can similarly transform the lives of underprivileged children.

With this conviction, he, along with his entire Zep family, has taken it upon themselves to become a guiding light for tribal and underprivileged children. Their mission is to empower these young minds through education, showing them the right path to a brighter and more promising future. This heartfelt journey would not have been possible without the unwavering support of his wife, Dixita, and their children, who stand beside him every step of the way. Together, they are building a legacy of hope and opportunity, inspiring others to join in creating a brighter future for those in need.

The Birth of Zep Pratishthan

The name Zep is derived from the Marathi word for "leap," symbolizing a significant step forward. It also stands for "Zeal to Empower People,"





perfectly encapsulating the passion and purpose behind the initiative. When he and the founding members brainstormed the name, they found it not only impressive but also deeply aligned with their mission—to help individuals take a transformative leap in life by empowering them through education. This inspiring name reflects the very essence of their vision: creating opportunities, breaking barriers, and lighting the way for a brighter future through the power of learning. Zep is more than a name—it's a movement to ignite change and foster growth.

The journey of Zep began with a simple but impactful idea: Purchasing new books through personal contributions and distributing them to students in need. Vikas and his friends started this initiative in Thane, later expanding their efforts to rural areas within a 250 km radius, including tribal areas like Jawhar and Murbad. Here, they discovered severe educational disparities, such as an alarmingly low student-to-teacher ratio. To address this, Zep Pratishthan recruited part-time teachers from volunteers, distributed essential supplies like books, bags, and uniforms, and organized career counseling, fire safety trainings, communications sessions and counselling sessions for students in grades 8–10. Graduates who benefited from the initiative were encouraged to return and mentor younger students, creating a sustainable cycle of giving back.



Addressing Malnutrition: Linking Health and Education

During their work in rural areas, the team encountered children suffering from malnutrition. Many students in higher grades appeared physically underdeveloped, resembling younger children due to poor nutrition. Realizing that hunger was a significant barrier to learning, Zep Pratishthan began providing nutritional meals and supplements to malnourished kids and feeding mothers.

They also tackled broader health issues by conducting regular medical checkups, distributing basic medicines, and addressing the lack of clean drinking water, which had led to diseases like hepatitis. Collaborating with a team of doctors, the organization successfully advocated for the establishment of village clinics, ensuring sustained healthcare access.



COVID-19: A Test of Commitment

During the COVID-19 pandemic, Zep Pratishthan's resolve was tested. While most organizations struggled to reach remote villages, their existing network enabled them to deliver essential supplies like food, medicines, and hygiene kits. The team ensured no family was left unsupported, acting as a lifeline for their adopted communities also Zep Pratishthan was the first NGO to promote plasma donations to save life of patients and also arranged safe and secure blood donation drive during pandemic to help in medical emergency along with thalassemic patients. This initiative was recognised by news and media.

Their disaster relief efforts extended beyond the pandemic. From floods in Kokan, Kolhapur and Sangli to landslides in Satara, Zep Pratishthan provided timely assistance, showcasing their commitment to holistic community welfare.

Empowering Girls Through Education and Hygiene

Recognizing the challenges faced by adolescent girls, such as the lack of access to menstrual hygiene products and proper sanitation, the organization built schools with adequate facilities, including clean, gender-segregated washrooms. This initiative addressed a significant barrier to education, as many girls previously missed school during their menstrual cycles. The schools also introduced computer labs, internet access, and libraries, equipping students with modern educational tools. These measures created a conducive learning environment and instilled a sense of dignity and confidence among students.



What sets Zep Pratishthan apart is its organized approach to project execution. Each initiative is preceded by a thorough needs assessment, ensuring resources are allocated effectively. When the organization cannot take on a project, they collaborate with other NGOs, showcasing a commitment to collective impact rather than competition. The success of Zep Pratishthan lies in its ability to empower communities through interconnected solutions—education, health, women empowerment, and infrastructure. This integrated approach ensures lasting change and builds resilience among beneficiaries.

Yash Vikas: Transforming Rural Lives Through Holistic Development

Founded in 2006 by social visionary Jayvant Patil, Yash Vikas NGO has become a beacon of hope for rural and marginalized communities in Maharashtra. With a mission centered on holistic development, the organization addresses critical socio-economic challenges through programs focused on education, vocational training, women's empowerment, and community welfare. Over the years, Yash Vikas has touched countless lives, fostering sustainable growth and empowering individuals to build better futures.

Bridging the Gap Between Education and Employability

Yash Vikas began its impactful journey by focusing on vocational training for college students. Early initiatives included courses in mobile repairing and electrical work, providing practical skills that bridged the gap between education and employability. Recognizing the need to prepare youth for the job market, these programs aimed to create self-reliance and long-term livelihoods for participants.

By 2007, Yash Vikas extended its reach to younger children in villages such as Jowar, Mikhada, and Vikramgad. The plight of children from brick-making communities, who often missed school to work in kilns, became a significant concern. To combat this, Yash Vikas introduced a groundbreaking program offering three nutritious meals a day to these children. This initiative alleviated hunger, enabling them to focus on their studies and thrive academically.

Empowering Women, Uplifting Communities

Understanding the transformative power of women's empowerment, Yash Vikas launched skill-development programs designed to make women self-reliant. By equipping them with practical skills, the NGO has not only addressed gender inequality but also created a ripple effect of progress within families and communities. Empowered women have become agents of change, improving their children's education and overall family well-being.

A unique aspect of Yash Vikas's work is its facilitation of communal marriages. By organizing collective wedding ceremonies, the NGO reduces financial burdens on families and fosters a sense of togetherness in the community. This innovative approach aligns with its mission of holistic family development, recognizing that strong families create stable environments where children can flourish.

Grassroots Initiatives with Long-Term Impact

What sets Yash Vikas apart is its grassroots approach. The team engages directly with children, visits homes, and collaborates closely with parents to address issues like absenteeism and lack of parental support. Many children supported by the NGO come from single-parent households or live with extended family members who often prioritize earning a livelihood over the child's education. Yash Vikas's personalized approach ensures that each child receives the care and resources needed to succeed.

Beyond education, Yash Vikas also addresses the issue of malnutrition, which often impedes a child's ability to learn and grow.



JEET's Mission

There are about 200M disadvantaged students from non-English backgrounds from 5,00,000 government and other low-fee private schools. We pledge to empower them.

JEET is developing an app/ website to give free access to a targeted 2,00,000 lessons and videos up to class 12, in 22 Indian languages.

We aim to build an all-India alliance of 1,00,000 NGOs working in the fields of Education, Sports, and Vocational training. In unity lies strength, indeed.

We facilitate periodic meetings among members. We highlight the achievements of members through social media and our own monthly newsletter - JEET KI AOR.

GOALS: Outreach, Collaboration, Resource collection, & Empowerment

Touch 200 Million
Disadvantaged school children

Cover 5,00,000
Schools & Teachers

Compile 2,00,000
Education videos and lessons

Enroll 1,00,000
National NGOs

Published by :

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Is India's Education System Equipped to Tackle the Rural Teacher Shortage?

India's education system faces a pivotal challenge: a significant shortage of qualified teachers, particularly in rural areas. As students struggle with inconsistent access to quality education, the question arises—what steps can India take to address this gap and ensure no child is left behind?

The Rural Teacher Shortage: A Growing Concern

Rural India has long grappled with a scarcity of teachers, a problem compounded by inadequate infrastructure, large class sizes, and limited resources. States like Bihar and Jharkhand frequently report classrooms with over 50 students per teacher, far exceeding the recommended 30:1 ratio. For students in these regions, the odds of receiving personalized attention from teachers are slim, leading to high dropout rates and lower academic achievement. Even urban areas like Delhi are experiencing strain, with government school teacher-student ratios worsening from 31:1 to 39:1 in just one year. These numbers reflect a broader national crisis that calls for urgent reform, particularly in rural regions where the problem is most acute.

Can Digital Solutions Bridge the Gap?

The disparity is even more pronounced for students with disabilities, who often face a lack of specialized educators. Many drop out of school due to insufficient support, a problem that inclusive training programs could mitigate. Digital solutions offer hope. Blended learning models, combining online and offline methods, can bridge the gap for remote schools. However, fewer than 25% of Indian states currently have adequate internet penetration, and rural schools lag behind in digital adoption. A robust investment in digital infrastructure could empower teachers and enable personalized learning for students in underserved areas.

Investing in Teachers: The Key to Revival

Experts argue that addressing the rural education crisis starts with comprehensive teacher training. Programs need to focus on equipping educators with the skills to manage diverse classrooms, integrate technology, and support students with varying learning needs. Specialized training for inclusive education must become a priority to ensure that children with disabilities thrive alongside their peers. Global data underscores the urgency of this investment. By 2030, an estimated 44 million primary and secondary teachers will be needed worldwide. For India, with one of the largest school-age populations, preparing a well-trained teacher workforce is critical to future success.

Building Hope Through Targeted Investments

Solutions lie within reach. Increased funding for rural education, improved teacher incentives, and community-driven school initiatives can reshape the landscape. A survey by the Ministry of Statistics revealed that rural India allocated just 6.2% of its non-food expenditure to education in 2022-23. Redirecting resources toward rural schools can significantly improve infrastructure, attract skilled teachers, and foster equitable learning environments.

A Call for Action

Can India harness the power of innovation, policy reform, and grassroots efforts to overcome its teacher shortage? With focused strategies and the collective will to act, the country can reimagine its education system and ensure every child has the opportunity to learn, grow, and succeed. The challenge is immense, but so is the potential for transformation. How can we as a society contribute to bridging the rural-urban education divide? Is it time for a national mission to empower teachers and revolutionize rural education? The answers could shape the future of millions.