EUROPEAN JOURNAL OF BIOMEDICAL
AND PHARMACEUTICAL SCIENCES

http://www.ejbps.com

BUILDING SUSTAINABLE FUTURES: EVIDENCE-BASED APPROACHES FOR RURAL COMMUNITIES

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DOI: https://doi.org/10.5281/zenodo.17277018

ABSTRACT

This study explores sustainable development in buttaigudem rural communities through a data-driven lens, focusing on youth behaviour, health practices, technology use, and environmental awareness. A structured community survey was conducted to capture attitudes, behaviours, and challenges among rural populations. Data was categorized into thematic sections to facilitate in-depth qualitative and quantitative analysis. Key issues identified include junk food consumption, overuse of digital devices, mental health stressors, limited eco-friendly practices, and minimal engagement in sustainability efforts. Despite strong awareness of health and environmental impacts, behavioural change remains limited. The study provides actionable insights and strategic recommendations to guide policy-making, community interventions, and educational programs. Ultimately, the findings emphasize the need for collective responsibility in fostering sustainable lifestyles and mental well-being in rural India.

KEYWORDS: Sustainable development, rural communities, youth behaviour, social media, digital wellness, environmental awareness.

INTRODUCTION

Sustainable development aims to balance economic growth, social well-being, and environmental protection to ensure long-term prosperity for future generations. The findings from this survey highlight critical challenges related to lifestyle habits, health awareness, technology usage, and environmental consciousness. While modern conveniences have improved daily life, excessive dependence on junk food, digital devices, and unsustainable practices has raised concerns about long-term impacts on health and the environment.

A growing need exists for responsible digital usage, healthier lifestyle choices, and greater commitment to sustainability. Encouraging mindful consumption, reducing waste, promoting eco-friendly habits, and improving awareness through education can drive meaningful change. By integrating sustainability into daily routines, communities can work towards a more resilient and healthier future while safeguarding the planet.

This report underscores the importance of adopting balanced, sustainable approaches to modern challenges, emphasizing collective responsibility in shaping a better world.

METHODOLOGY

1. Survey Design & Data Collection
o Develop structured questionnaires targeting key aspects of sustainable development in buttaigudem rural communities.
o Conduct surveys through direct interviews.

2. Data Structuring & Organization
o Convert handwritten and unstructured responses into detailed, formatted documents.
o Categorize responses into thematic sections for easier analysis.

3. Quantitative & Qualitative Analysis
o Compile survey data into statistical tables and calculate percentages for trend identification.
o Perform qualitative assessments to understand behavioural and societal patterns.

4. **Comparative Analysis & Trend Mapping**
o   Compare findings across different locations and demographics.
o   Identify recurring challenges related to sustainability, youth behaviour, and community welfare.

5. **Day-Wise Reporting & Insights Generation**
o   Summarize findings in structured reports aligned with specific questions asked each day.
o   Highlight evolving challenges and potential solutions over time.

6. **Strategic Recommendations & Actionable Solutions**
o   Derive insights to support policy-making, resource allocation, and sustainable development strategies.
o   Present findings in an accessible format for stakeholders and decision-makers.

RESULTS AND DISCUSSION

The data was categorised into 6 sections for easy analysis

Section 1: Demographic Information

The majority of people in your area are young, primarily below 15 and in the 15–18 age group. The population is predominantly female, and most individuals attain a high school education. Your village is a rural area where most families earn below ₹20,000 per month, with fewer earning over ₹1,00,000. Engagement in extracurricular activities is minimal, and people typically eat outside food 2–3 times a week. Most residents dedicate 1–2 hours daily to physical activities but rarely participate in social or community service efforts—only about 10 individuals actively engage. Nuclear families outnumber joint families in your area. Additionally, junk food consumption is limited to about 15 individuals, but fast-food intake is notably high.

Section 2: Junk Food Consumption and Health

Fast food and junk food consumption are common in your area, with taste preference being the primary reason for choosing junk food. Most people purchase junk food through online delivery apps and spend ₹1,500–₹3,000 monthly on it. Although awareness of health risks is high, many still consume junk food regularly. Among those aware, some have experienced weight gain and fatty liver, while others have noticed no changes. Carbonated sugary drinks are frequently consumed, yet few people check nutritional information before eating packaged food. Most do not actively maintain a balanced diet or make efforts to reduce junk food intake, though they express a desire to do so.

Social influence plays a significant role in eating habits, with family and friends having a greater impact than advertisements. Some believe strict government regulations on junk food would be beneficial, while others insist personal freedom should be prioritized. Many feel that banning junk food in schools and colleges would be effective only if healthy alternatives were available. Most people are unwilling to switch to a healthier diet even if affordable options exist, preferring junk food regardless of cost. Junk food is widely seen as a major contributor to obesity, diabetes, and heart disease.

Section 3: Social Media and Electronic Gadget Usage

Social media usage is widespread in your area, with most people spending 1–3 hours daily, primarily on YouTube and WhatsApp. Entertainment, networking, and news updates are the main reasons for using social media. While some feel it negatively impacts productivity, others disagree. Many people enjoy social media but use it for short breaks. Phone usage is common, with most spending 2–4 hours daily on their devices. Some avoid social media while working, but others use it occasionally. A significant number feel addicted to their phones or gadgets, although only 15 members report this as a constant issue.

Cyberbullying is not a prevalent concern in your area, but many believe social media promotes unrealistic lifestyle standards, leading to self-comparison. Most verify information they find online. Many frequently check their phones, especially before sleeping, which has disrupted sleep patterns. Face-to-face interactions have declined due to social media use, and digital fatigue is common. The majority believe social media negatively affects mental health, though some acknowledge both positive and negative impacts. Many advocates for stricter policies, but some feel regulations should primarily target younger users. The majority of people believe they experience significantly more stress than previous generations.

Section 4: Behavioural Changes in Youth

Many people believe they are significantly more stressed than previous generations and have noticed changes in their behaviour due to social media. Mood swings are common, and patience levels have decreased over time, leading to frustration. Distractions while working or studying are prevalent, and online interactions have made people feel less socially connected in real life. Procrastination due to social media is frequent, and many struggle to maintain focus, though some try to stay balanced. Social pressure from online trends is strong, but many say they handle negative comments by ignoring them.

Concerns about youth behaviour are growing, with reports of increased aggression and negative influences from digital content. Disagreements over screen time with family members are common, and texting is often preferred over face-to-face conversations. Despite being active on social media, many people still feel lonely. Materialism among youth is rising, with greater emphasis on brands and status. Excessive gadget use has negatively impacted personal relationships, and phone usage remains high, though some try to limit it. Many

acknowledge the need to reduce screen time for better mental well-being.

People identify key behavioural challenges for youth, including addiction to social media and gadgets, increased stress and anxiety, reduced attention span, and decreased real-life social interactions.

Section 5: Sustainable Development and Future Impact

Many people are aware of climate change and its effects, acknowledging that youth contribute to environmental degradation through unsustainable habits. However, eco-friendly product usage is rare, though most people participate in recycling. Many believe sustainable development prioritizes economic growth over environmental concerns. Excessive gadget use is seen as harmful due to electronic waste and high energy consumption. Interest in reducing plastic waste is high, with strong support for stricter waste management policies, though some argue practicality is key. Energy conservation is practiced by many, and public transport is preferred over private vehicles by some.

Fast fashion and sustainable shopping are largely overlooked. Despite this, people recognize the critical role of technology in sustainability. Active participation in environmental activities is limited, and discussions on sustainability among peers are rare. Pollution, waste management, overpopulation, and resource depletion are viewed as India's biggest challenges. Many supports including sustainability education in school curricula and believe using sustainable products contributes to a cleaner future. Social media campaigns and influencer-driven awareness programs are seen as effective in educating youth about sustainability. However, the majority believe current lifestyle habits will negatively impact future generations.

Section 6: Opinions and Recommendations

Many people believe that excessive dependence on technology is the biggest challenge faced by youth, while others highlight mental health issues, stress, and limited career opportunities. Balancing technology with a healthy lifestyle is seen as achievable through outdoor activities, exercise, and regular digital detoxes. Most people agree that junk food advertising influences unhealthy eating habits and should be more strictly regulated. To reduce screen addiction among youth, promoting offline hobbies and activities is suggested. Schools can support healthy habits by making physical activity sessions mandatory and educating students on nutrition and lifestyle choices.

Mental health awareness is considered essential, with many advocating for its inclusion in school curricula, while others feel parents should also take responsibility. People support raising awareness through social media and activism, along with stricter regulations on junk food, social media, and gaming. Educating children on

responsible digital usage is seen as critical, and many believe increasing mental health support and counselling would improve youth lifestyles in India.

CONCLUSION

The survey findings highlight significant trends in lifestyle, health, technology usage, and environmental awareness. While people acknowledge the effects of social media, junk food consumption, and excessive gadget use, active efforts to mitigate these issues remain limited. Digital fatigue, social pressure, and declining face-to-face interactions present notable concerns, alongside increasing stress and mental health challenges among youth.

Despite widespread awareness of climate change, sustainable habits are not deeply integrated into daily life. However, there is strong support for stricter environmental policies and educational initiatives. Encouraging responsible digital usage, promoting mental well-being, and integrating sustainability into everyday choices can lead to positive behavioural shifts.

Addressing these challenges requires a collective effort—educational institutions, policymakers, communities, and individuals must work together to build a balanced, healthier, and more sustainable future. Implementing structured programs and reinforcing awareness can help create lasting change for current and future generations.

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