



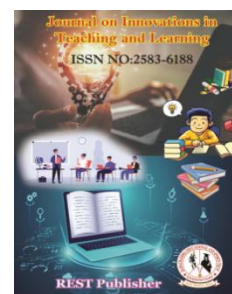
## Journal on Innovations in Teaching and Learning

Vol: 2(3), September 2023

REST Publisher; ISSN: 2583-6188 (Online)

Website: <http://restpublisher.com/journals/jitl/>

DOI: <https://doi.org/10.46632/jitl/2/3/1>



# Impact of Education in Indian & Foreign Universities by using SPSS method

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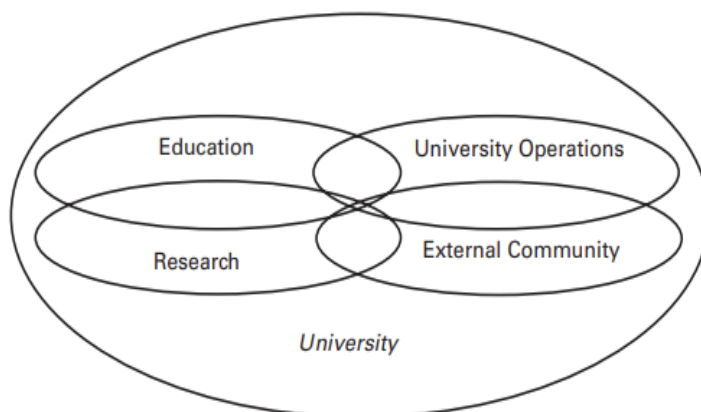
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**ABSTRACT;** The future of both countries and individuals is significantly influenced by education. In recent years, both Indian and foreign universities have experienced significant transformations that have had a profound impact on the education sector. This comparative analysis aims to examine the key changes and their consequences in Indian and foreign educational institutions. India, with its diverse cultural fabric and increasing focus on knowledge-driven industries, has witnessed a remarkable shift in its education system. Technological advancements have facilitated the adoption of online learning platforms, blended learning models, and personalized approaches to education. These developments have expanded access to quality education, bridging geographical barriers and reaching learners in remote areas. Similarly, foreign universities have also undergone noteworthy transformations. Globalization, digitalization, and the increasing demand for international education have prompted these institutions to diversify their programs, enhance cross-cultural experiences, and adopt innovative teaching methods. Furthermore, the growing emphasis on interdisciplinary studies and research collaborations has propelled foreign universities to the forefront of knowledge creation and dissemination. This analysis will explore the key factors driving the impact on education in both Indian and foreign universities, shedding light on the unique challenges and opportunities each system faces in the pursuit of educational excellence. Understanding the impact of changes in education in Indian and foreign universities is of significant importance for various stakeholders. Policymakers can benefit from this research to design effective strategies that promote accessibility, equity, and quality education. Educational institutions can gain insights into best practices, innovative teaching methods, and technological advancements to enhance their educational offerings. Students and parents can make informed decisions regarding educational choices and identify opportunities for global learning experiences. Ultimately, this research contributes to fostering educational excellence and meeting the evolving needs of learners in a rapidly changing world. "We are using SPSS (Statistical Package for the Social Sciences) which is a widely used software program for statistical analysis." It provides tools for data management, data visualization, and statistical modeling, making it valuable for researchers and analysts in various fields, particularly in the social sciences. INPUT PARAMETERS taken as 1. Gender?, 2. Age?, 3. Qualification?, 4. Profession?, 5. Family status? OUTPUT PARAMETERS taken as 6. How satisfied are you with Indian universities?, 7. How would you rate the quality of education provided in Indian universities?, 8. How much advanced is education in foreign countries than India? , 9. How much does foreign infrastructure and facilities affect students?, 10. How much do you choose to be a student in foreign university or Indian University?, 11. How well can u afford a seat in foreign universities? The Cronbach's Alpha Reliability result is displayed here. The model's overall Cronbach's Alpha value is .675, which denotes a 68% dependability level. The Cronbach's Alpha value model with a score of at least 60% can be considered for analysis based on the literature study. Indian universities have shown improvement in recent years, but they still struggle with overall quality. Foreign universities are renowned for their high standards, advanced research facilities, and experienced faculty. The quality of education in foreign universities often attracts students globally. However, Indian universities play a crucial role in providing affordable education to a large population, contributing to social mobility and addressing the country's diverse educational needs.

**KEYWORDS:** Indian University, Foreign, Infrastructure, Quality

## 1. INTRODUCTION

The Indian education system has a rich history, dating back to ancient times. A wide variety of organizations, including major universities, research centers, and technical colleges, define it as it is today. The system is largely influenced by a curriculum that emphasizes theoretical knowledge acquisition and examinations as a primary assessment method. However, there has been a growing emphasis on practical learning and skill development in recent years.[9] The internationalization of higher education is on the rise, with foreign students playing a significant and prominent role in this global phenomenon. More than one million students choose to pursue their studies outside their home countries, with approximately one million of them studying in OECD nations. While the majority of these international students come from developing countries in the Third World, the patterns of their migration are intricate and can vary over time (Zikopoulos, 1989) [2] .



**FIGURE 1.** General practice of higher education

The educational advancements in India are frequently recognized as a key factor in the country's economic growth. Private institutions are often attributed with much of the progress made in the education system.[3] Management colleges have prioritized the act of simply dismissing students without giving due consideration to qualitative aspects.[5] Foreign universities, particularly those in developed nations, have gained significant recognition for their quality of education and research opportunities. Indian universities offer the advantage of being familiar with the local educational system and cultural context. They often provide a more affordable option for students who prefer to stay within the country. Additionally, studying in an Indian university can offer opportunities for networking and building connections within the local job market.[15] For international students seeking higher education, popular locations include the United States, the United Kingdom, Canada, and Australia.[11].

By highlighting the differences between diverse groups and their attitudes about the incorporation of ICT in teaching and learning, the study also significantly contributes through its findings.[25] To bring about a profound transformation, it is essential to recognize the significance of every component within the university system and foster a connection between intellectual, emotional, and practical aspects. Despite its good intentions, formal education alone cannot match the extensive educational influences exerted by various external factors such as highways, shopping malls, supermarkets, urban expansion, industrial farming, large-scale businesses, utilities, multinational corporations, television, and pervasive advertising. These external forces often impart teachings centered around dominance, rapidity, material accumulation, and self-centered individualism.[24] Foreign universities are known for their global reputation and often provide a broader range of academic programs and research opportunities. They may offer access to cutting-edge facilities, renowned faculty members, and a diverse international student community. Studying abroad can also offer exposure to different cultures, perspectives, and experiences, fostering personal growth and a global outlook[18]. A desirable result of promoting interdependence in education entails three essential transitions: moving from disconnected to integrated; changing from independent institutions to networks, alliances, and consortia; refocusing attention from internal institutional issues to leveraging international exchanges of educational material, teaching resources, and innovations; and transforming the health and education systems.[23] The interest in educational games expressed by certain experts is based on the potential to utilize the strong levels of engagement and motivation frequently observed in game players to inspire students and enhance their learning experiences.[22] Ultimately, the best choice depends on individual circumstances, including academic and career goals, financial considerations, desired cultural exposure, and personal preferences. It is important for students to carefully research and consider the specific offerings, reputation, accreditation, and resources of each university they are considering before making a decision.[17]

## 2. MATERIALS & METHODOLOGY

### ➤ **How satisfied are you with Indian universities?**

Personal satisfaction with Indian universities varies depending on individual experiences, ranging from highly satisfied to dissatisfied. Factors like infrastructure, faculty quality, resources, research opportunities, and student support services influence satisfaction levels.

### ➤ **What grade would you give the educational system in Indian universities?**

The quality of education in Indian universities varies. While some institutions provide excellent education, others may face challenges in terms of resources, faculty expertise, curriculum relevance, and industry connections. Ratings can differ based on specific universities and programs.

### ➤ **How much advanced is education in foreign countries than India?**

Education in foreign countries often offers advantages like advanced infrastructure, modern teaching methods, cutting-edge research opportunities, global exposure, and industry collaborations. However, it's important to note that quality can also vary among different foreign universities and education systems.

### ➤ **How much does foreign infrastructure and facilities affect students?**

Foreign infrastructure and facilities can significantly impact students. State-of-the-art facilities, well-equipped laboratories, modern technologies, libraries, and campus amenities enhance the learning experience, research capabilities, and overall development of students.

### ➤ **How much do you choose to be a student in foreign university or Indian University?**

The decision to study in a foreign university or an Indian university depends on various factors, including academic reputation, desired specialization, career prospects, financial considerations, cultural exposure, language proficiency, personal aspirations, and family support.

### ➤ **How well can u afford a seat in foreign universities?**

Affordability of studying in foreign universities varies based on factors like tuition fees, living costs, scholarships, grants, and personal financial resources. It's important to thoroughly research and plan finances, considering various options like scholarships, part-time jobs, and student loans if needed.

## 3. SPSS METHOD

A group of software programs called "Statistical Package for the Social Sciences" (SPSS) are created for the purpose of manipulating, analyzing, and presenting data. It enjoys widespread usage within the fields of social and behavioral sciences.[10]The program has the ability to simultaneously analyze data from multiple populations. Additionally, it can provide estimates for the average values of exogenous variables and intercepts in regression equations.[8] The fact that the SPSS program performs three different regression analyses, each of which corresponds to a different model, is an essential distinction. It produces three datasets as a result, each of which contains the results of the individual analysis.The main statistical software packages SPSS and SAS do not allow users to carry out these advised checks.[2]The social sciences, particularly psychology, make substantial use of SPSS and SAS. These macros are meant to increase the likelihood that academics will do a formal significance test for the indirect effect in straightforward mediation models.[4]Software called SPSS (Statistical Package for the Social Sciences) is frequently used in many domains, including education research, for statistical analysis. When analyzing the education system in India and comparing it with foreign universities, SPSS can be utilized to explore and understand various aspects of the data.[3]

Overall, SPSS can be a valuable tool for analyzing and interpreting data related to the education system in India and foreign universities. It offers scholars a thorough collection of statistical studies to investigate the connections, distinctions, and important elements affecting educational results in diverse contexts. [12]It is utilized for data administration and statistical analysis. It offers a variety of tools and features for statisticians, data analysts, and researchers to analyze, alter, and visualize data.[9]SPSS is widely used in various fields such as social sciences, market research, healthcare, and education. Its user-friendly interface, extensive statistical capabilities, and data management features make it a popular choice for data analysis and research.[7] Pasted into a syntax statement is an application that is frequently used for statistical evaluation in the social sciences. Interactive programming production that is directed or unsupervised use the workflow tool. An internal log is SPSS Statistics. Regulations are imposed by organization, information types, information processing, and on appropriate papers. These factors are made easier by programming. Datasets used by SPSS are two dimensional.[6]

### 4. RESULTS & DISCUSSION

**TABLE 1.** The Descriptive Statistics Values

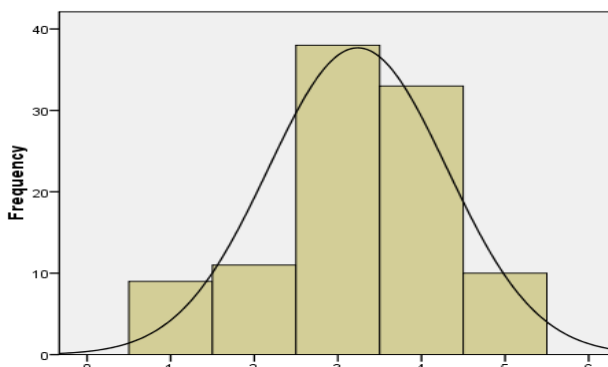
	N	Range	Minimum	Maximum	Sum	Mean	Std. Deviation	Variance	Skewness	Kurtosis
How satisfied are you with Indian universities ?	101	4	1	5	327	3.24	1.069	1.143	-.441	-.173
How would you rate the quality of education provided in Indian universities?	101	4	1	5	321	3.18	1.043	1.088	-.204	-.299
How much advanced is education in Foreign countries than India?	101	4	1	5	380	3.76	1.176	1.383	-.690	-.271
How much does foreign infrastructure and facilities affect students ?	101	3	2	5	377	3.73	.989	.978	-.133	-1.082
How well can u afford a seat in foreign universities ?	101	4	1	5	262	2.59	1.142	1.304	.360	-.514
How likely do you choose to be a student in foreign university or Indian University?	101	4	1	5	316	3.13	1.383	1.913	-.236	-1.104

Table 1 shows the descriptive statistics values for analysis N, range, minimum, maximum, mean, standard deviation How satisfied are you with Indian universities, How would you rate the quality of education provided in Indian universities, How much advanced is education in foreign countries than India, How much does foreign infrastructure and facilities affect students How much do you choose to be a student in foreign university or Indian University, How well can u afford a seat in foreign universities this also using.

**TABLE 2.** Frequency Statistics

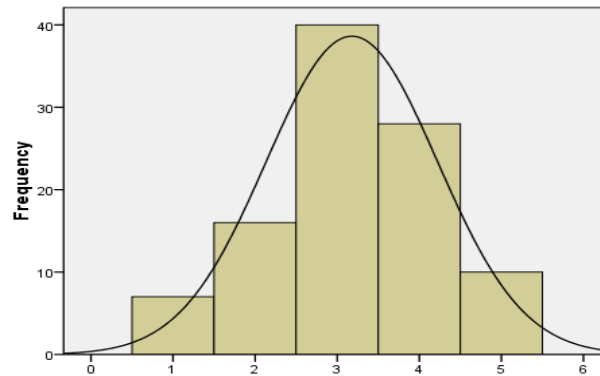
		How satisfied are you with Indian universities ?	How would you rate the quality of education provided in Indian universities?	How much advanced is education in Foreign countries than India?	How much does foreign infrastructure and facilities affect students ?	How well can u afford a seat in foreign universities ?	How likely do you choose to be a student in foreign university or Indian University?
N	Valid	101	101	101	101	101	101
	Missing	12	12	12	12	12	12
Median		3.00	3.00	4.00	4.00	3.00	3.00
Mode		3	3	5	3	3	3
Percentiles	25	3.00	3.00	3.00	3.00	2.00	2.00
	50	3.00	3.00	4.00	4.00	3.00	3.00
	75	4.00	4.00	5.00	5.00	3.00	4.00

Table 2 shows the Frequency statistics values for analysis N, mean median mode and percentiles. How satisfied are you with Indian universities, How would you rate the quality of education provided in Indian universities, How much advanced is education in foreign countries than India, How much does foreign infrastructure and facilities affect students How much do you choose to be a student in foreign university or Indian University, How well can u afford a seat in foreign universities this also using.



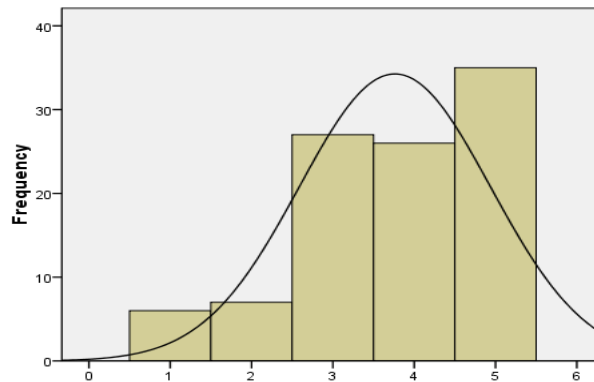
**FIGURE 2.** Frequency histogram plot for How satisfied are you with Indian universities?

Figure 1 shows the histogram plot for How satisfied are you with Indian universities from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 3 for How satisfied are you with Indian universities except the 2 value all other values are under the normal curve shows model is significantly following normal distribution



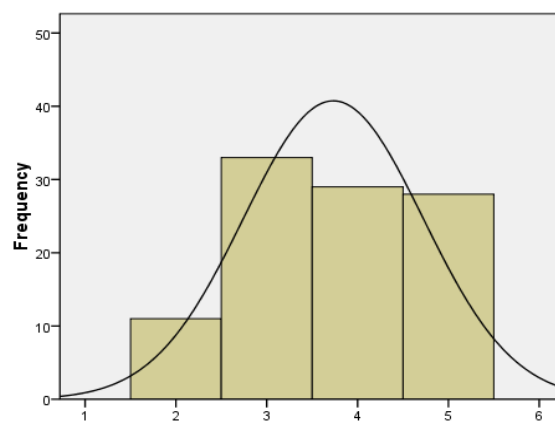
**FIGURE 3.** Frequency histogram plot for How would you rate the quality of education provided in Indian universities?

Figure 2 shows the histogram plot for How would you rate the quality of education provided in Indian universities from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 3 How would you rate the quality of education provided in Indian universities except the 2 value all other values are under the normal curve shows model is significantly following normal distribution



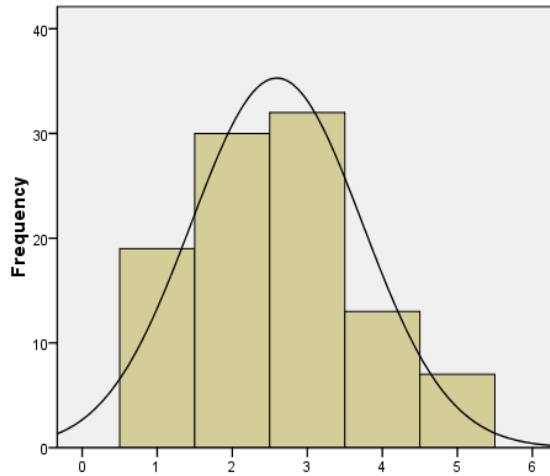
**FIGURE 4.** Frequency histogram plot for how much advanced is education in foreign countries than India?

Figure 3 shows the histogram plot for How would you rate the quality of education provided in Indian universities from the figure it is clearly seen that the data are slightly right skewed due to more respondent chosen 5 How would you rate the quality of education provided in Indian universities except the 2 value all other values are under the normal curve shows model is significantly following normal distribution



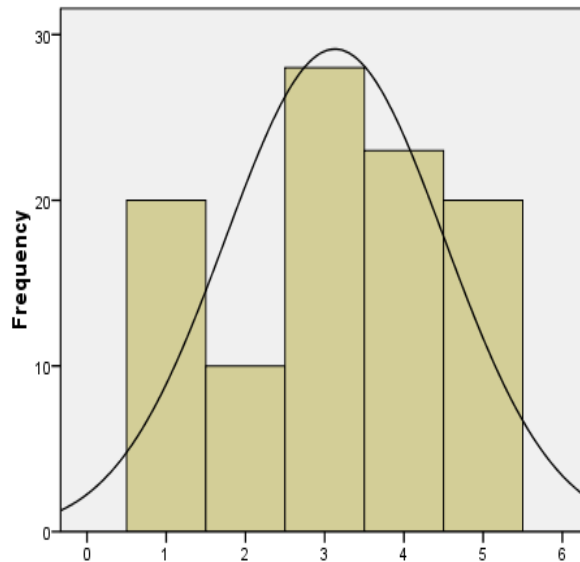
**FIGURE 5.** Frequency histogram plot for How much does foreign infrastructure and facilities affect students ?

Figure 4 shows the histogram plot for How much does foreign infrastructure and facilities affect students from the figure it is clearly seen that the data are slightly right skewed due to more respondent chosen 3 How much does foreign infrastructure and facilities affect students except the 4 value all other values are under the normal curve shows model is significantly following normal distribution



**FIGURE 6.** Frequency histogram plot for How well can u afford a seat in foreign universities?

“Figure 5 shows the histogram plot for "How well can you afford a seat in foreign universities?" From the figure, it is clearly seen that the data are slightly right-skewed, primarily because more respondents have chosen a value of 5, indicating they can afford a seat in foreign universities. However, apart from the value 4, all other values fall under the normal curve, suggesting that the model significantly follows a normal distribution.”



**FIGURE 7.** Frequency histogram plot for how likely do you choose to be a student in foreign university or Indian University?

Figure 6 shows the histogram plot for "How likely do you choose to be a student in a foreign university or an Indian university." From the figure, it is clearly seen that the data is slightly right-skewed, primarily because more respondents have chosen to be students in a foreign university. However, apart from the value 4, all other values fall under the normal curve, indicating that the model significantly follows a normal distribution.

**TABLE 3.** Correlation

	How satisfied are you with Indian universities ?	How would you rate the quality of education provided in Indian universities?	How much advanced is education in Foreign countries than India?	How much does foreign infrastructure and facilities affect students ?	How well can u afford a seat in foreign universities ?	How likely do you choose to be a student in foreign university or Indian University?
How satisfied are you with Indian universities ?	1	.769**	.252*	0.127	.293**	-0.061
How would you rate the quality of education provided in Indian universities?	.769**	1	.377**	0.134	.263**	-0.023
How much advanced is education in Foreign countries than India?	.252*	.377**	1	.616**	.210*	.259**
How much does foreign infrastructure and facilities affect students ?	0.127	0.134	.616**	1	.231*	.384**
How well can u afford a seat in foreign universities ?	.293**	.263**	.210*	.231*	1	.223*
How likely do you choose to be a student in foreign university or Indian University?	-0.061	-0.023	.259**	.384**	.223*	1

Next the correlation between motivation parameters for How satisfied are you with Indian universities For How would you rate the quality of education provided in Indian universities is having highest correlation with How likely do you choose to be a student in foreign university or Indian University and having lowest correlation. Next the correlation between motivation parameters for How would you rate the quality of education provided in Indian universities For How satisfied are you with Indian universities is having highest correlation with How likely do you choose to be a student in foreign university or Indian University and having lowest correlation. Next the correlation between motivation parameters for How much advanced is education in Foreign countries than India For How much does foreign infrastructure and facilities affect students is having highest correlation with How well can u afford a seat in foreign universities and having lowest correlation. Next the correlation between motivation parameters for How much does foreign infrastructure and facilities affect students For. How much advanced is education in Foreign countries than India is having highest correlation with How satisfied are you with Indian universities and having lowest correlation. Next the correlation between motivations parameters for How well can u afford a seat in foreign universities For How satisfied are you with Indian universities is having highest correlation. How much advanced is education in Foreign countries than India and having lowest correlation. Next the correlation between motivation parameters for How likely do you choose to be a student in foreign university or Indian University For How much does foreign infrastructure and facilities affect students is having highest correlation with. How would you rate the quality of education provided in Indian universities and having lowest correlation?

**TABLE 4.** Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.675	.690	6

“The table shows the Cronbach's Alpha reliability results. The overall Cronbach's Alpha value for the model is .675, indicating 68% reliability. According to the literature review, a Cronbach's Alpha value above 60% can be considered for analysis.”



**TABLE 5.** Cronbach's Alpha if Item Deleted

How satisfied are you with Indian universities	0.635
How would you rate the quality of education provided in Indian universities	0.617
How much advanced is education in Foreign countries than India	0.584
How much does foreign infrastructure and facilities affect students	0.609
How well can u afford a seat in foreign universities	0.643
How likely do you choose to be a student in foreign university or Indian University	0.707

Table 4 displays the Cronbach's Alpha Reliability results for each unique reliability statistic parameter. The value of Cronbach's Alpha for Your level of satisfaction with Indian universities 0.635, What grade would you give the educational system in Indian universities? 0.617, How much advanced is education in Foreign countries than India 0.584, How much does foreign infrastructure and facilities affect students 0.609, How well can u afford a seat in foreign universities 0.643, How likely do you choose to be a student in foreign university or Indian University 0.707.

## 5. CONCLUSION

In conclusion, the impact of the education system in Indian and foreign universities is a complex and multifaceted topic. Indian universities offer a diverse range of educational experiences, and satisfaction levels vary among students. While some universities in India excel in providing quality education, others may face challenges related to infrastructure, faculty expertise, and industry collaborations. On the other hand, foreign universities often boast advanced infrastructure, modern teaching methods, cutting-edge research opportunities, and global exposure. The quality of education in foreign universities can be perceived as more advanced compared to some Indian institutions. The availability of state-of-the-art facilities, well-equipped laboratories, modern technologies, and extensive resources positively affect students' learning experience and research capabilities. The decision to study in a foreign university or an Indian university depends on several factors. These include academic reputation, desired specialization, career prospects, financial considerations, cultural exposure, language proficiency, personal aspirations, and family support. Affordability plays a crucial role, considering tuition fees, living costs, scholarships, grants, and personal financial resources. Students must thoroughly research and plan their finances to make an informed choice. It is essential to recognize that both Indian and foreign universities have their own strengths and limitations. The education system in each country has unique characteristics and approaches. Ultimately, the impact of the education system in Indian and foreign universities depends on individual needs, goals, and preferences. Students should carefully evaluate the available options, considering academic excellence, research opportunities, career prospects, financial feasibility, and overall cultural exposure to make the best decision for their educational journey.

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