

**Understanding fertility trends in India**  
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By

**Ancela Jane Rodrigues**

Seat No: 22P010003

ABC ID:340004483140

PR.No:201907470

Under the Supervision of

**Asst. Prof. Avina Kavthankar**

&

**Prof. B.P Sarath Chandran**

Goa Business School/ Economics  
department

Economics



**GOA UNIVERSITY / GOA  
BUSINESS SCHOOL**

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### DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, "**Understanding fertility trends in India**" is based on the results of investigations carried out by me in the Economics at the Department of Economics, Goa University/Goa Business School under the Supervision of Asst. Prof. Avina Kavthankar and Prof. (Dr.) B.P Sarath Chandran and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities /Goa Business School will be not be responsible for the correctness of observations / experimental or other findings given the dissertation.

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Seat no: 22P010003

## COMPLETION CERTIFICATE

This is to certify that the dissertation report "**Understanding Fertility Trends in India**" is a bonafide work carried out by Miss. Ancela Jane Rodrigues, under my supervision in partial fulfilment of the requirements for the award of **Masters in Arts** in the Discipline of Economics at the Department of Economics, Goa University/ Goa Business School.

Signature of Supervisor: Asst. Prof. Avina Kavthankar and Prof. (Dr) B.P Sarath Chandran

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## **PREFACE**

This study investigates the impact of social and economic factors on fertility rates in India. A study using multinomial logistic regression found that higher education, self-employment, and living in rural areas are connected to higher fertility rates, while factors such as age, urban residence, and higher wealth or job position are related to lower number of children. Interestingly, greater religious convictions were also linked to decreased fertility rates. Moreover, the study examined how GDP, female labour force participation, and fertility rates are interconnected. Although there wasn't a statistically significant direct correlation, cointegration tests showed a long-term relationship between these variables. Additional examination using the VECM method revealed a phenomenon of moving towards balance, indicating a mutual influence among these factors as time progresses. To summarize, this research illuminates the intricate relationship among socioeconomic aspects, economic development, women's participation in the workforce, and how they collectively impact the fertility patterns in India

[ANCELA JANE RODRIGUES]

[Date]

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