

Date: 15/05/2022

To,  
The Principal  
Tuljaram Chaturchand College, Baramati, Pune, 413102.

**Subject:** Sanction Letter of Research Project.

Sir,

I am directed to convey the approval of the AIS Solution Pvt. Ltd., Pune for a Research Project in the subject of Statistics entitled "Statistical analysis of prenatal care using machine learning techniques" to be undertaken by **Dr. Neeta Kishor Dhane** of Tuljaram Chaturchand College, Baramati, Pune, 413102.

1. **Project Title:** Statistical analysis of prenatal care using machine learning techniques
2. **Principal Investigator:** Dr. Neeta Kishor Dhane (Associate Professor, Department of Statistics, Tuljaram Chaturchand College, Baramati)
3. **Coinvestigator:** Ms. Priti Manohar Malusare (Assistant Professor, Department of Statistics, Tuljaram Chaturchand College, Baramati)
4. **Project duration:** 1/6/2022 to 1/11/2022 (6 Months)
5. **Aim:** Analytical study of prenatal care among reproductive women in Baramati and provide predictive model for type of delivery.
6. **Objectives:**
  - i) Study and analysis of factors affecting type of delivery (normal or scissor)
  - ii) Determine whether social, economic, and other factors affects prenatal care

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iii) To find a high-performance predictive model that classifies the type of delivery.

7. **Sanctioned funding amount:** Rs. 20,000/-

8. After completion of the project, the Project findings should be shared with AIS Solutions Pvt. Ltd., Pune within the mentioned period

AIS Solution is committed to supporting innovative research that contributes to the advancement of knowledge in the field of statistics. This project aligns with our mission to foster research and development in areas that have practical applications and potential for significant impact.

We wish you success with your research project and look forward to the impactful results it will yield.



**Prajyot Patil**  
Founder and CEO



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