

**LITTLE FLOWER DEGREE COLLEGE,
UPPAL, HYDERABAD**

**REPORT:
FACULTY PAPER PRESENTATION IN 2ND INTERNATIONAL
CONFERENCE ON COMMUNICATION, SECURITY AND A.I**

The 2nd International Conference on Communication, Security and Artificial Intelligence (ICCSAI) was held at Galgotias University from 23rd to 25th November, 2023, emerged as a pivotal nexus of innovation and collaboration. Organised by the school of Computing Science and Engineering. The conference drew together researchers, academicians, and industry professionals globally. Ms. Manjusha, faculty, Department of Statistics, LFDC, presented a paper at the conference titled, “Analysing the State of Nutrition and Factors influencing occurrence within children between 0-59 months in India: key findings from the NFHS-5 Data” On 25th November, 2023 at 9:30 AM. The study emphasises that maternal educational level and ethnicity which are pivotal determinants influencing children’s nutritional status concerning stunting, underweight and wastage.

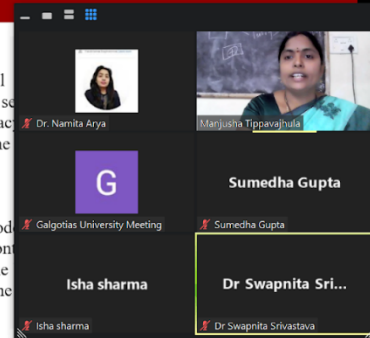


Chief Guest Prof.S.N.Singh , addressing the conference on the occasion of Inaugural of 2nd International conference

Stunting Model Accuracy: The logistic regression model has a 93.0% overall compared to the approaches used to forecast stunting. The decision tree model comes in second with a total precision of 92.4%. The **random forest model** comes out with the best accuracy of **94.6%**, exceeding both. As a result, it can be said that the random forest model is the best for determining if a children is stunted among three.

Underweight Model Accuracy: Upon estimating the underweight prediction model, the logistic regression model achieves an overall accuracy of 92.2%. The decision tree model in comparison has a somewhat better total accuracy of 94.2%. The **random forest model** stands out with the best accuracy of **95.7%**, outperforming both. This supports the finding that the random forest model is the best for determining if a children is underweight among three.

Wasting Model Accuracy: The logistic regression model has an overall precision of 92.5%, the decision tree model has an overall precision of 92.4%, and the **random forest model** has an overall precision of **94.5%**. This means that the random forest model is the most accurate model for forecasting whether a child is wasted.



Ms. Manjusha , presenting the paper in the conference of the title “Analysing the State of Nutrition and Factors influencing occurrence within children between 0-59 months in India: key findings from the NFHS-5 Data”