



**DEPARTMENT OF BIOMEDICAL SCIENCE
BHARATHIDASAN UNIVERSITY
TIRUCHIRAPPALLI-620 024
TAMIL NADU**

REPORT ON EXTENSION ACTIVITY

BMS, 2022-2027 BATCH

Date of visit: 23/03/2024

Location : Panchayat Union Middle School, Chinna Sooriyur

Objective:

The objective of the visit was to conduct a comprehensive health assessment of the residents of Chinna Sooriyur, focusing on key parameters including blood pressure, body mass index (BMI), oxygen saturation, and temperature. This initiative was undertaken as part of the curriculum as an extension activity for the students of the Biomedical Science Department, Bharathidasan University to gain practical experience in community health assessment and to contribute to the well-being of the people of the nearby village.

Team Composition:

The team consisted of 24 students belonging to II year of Biomedical Science. The students were guided by Dr. G. Mathan, Professor and Head, Department of Biomedical Science. Each member was assigned specific roles and responsibilities to ensure the smooth execution of the medical outreach program.

Methodology:

Preparation:

Prior to the visit, the students organized all the necessary medical equipments and transportation.

Community Engagement:

Upon arrival in Chinna Sooriyur, the students engaged with local community leaders and residents to explain the purpose of the visit and seek their cooperation. This step was crucial in gaining trust and ensuring the participation of the villagers.

Health Assessments:

The students conducted health assessments at Panchayat Union Middle School, Chinna Sooriyur, where the residents were invited to undergo voluntary screenings, which included:

Blood Pressure Measurement: Using calibrated blood pressure monitors, students measured systolic and diastolic blood pressure levels of participants.

BMI Calculation: Height and weight measurements were taken to calculate BMI, providing insights into individuals' weight status.

Temperature Check: Non-contact infrared thermometers were used to measure body temperature.

Oxygen saturation: Pulse oximetry is a non-invasive test that measures the oxygen saturation level of the blood, and it can rapidly detect even small changes in oxygen levels.

Health Education:

In addition to assessments, the team conducted interactive sessions on basic healthcare practices, emphasizing the importance of regular check-ups, healthy lifestyle choices, and disease prevention strategies.

Referral and Follow-up:

Participants identified with abnormal health parameters were provided with appropriate guidance to approach nearby Government healthcare facilities for further verification.

Outcomes and Impact:

The total population of the village was approximately 1500, out of which 53 members actively participated in the health assessments, demonstrating a high level of community engagement. Abnormalities in blood pressure, BMI, temperature, and oxygen saturation were

identified in several individuals, highlighting the importance of regular health screenings and interventions. The educational sessions facilitated knowledge dissemination and empowered villagers to take proactive measures towards improving their health and well-being.

Conclusion:

The visit to Chinna Sooriyur, served as a valuable learning experience for the students, enabling them to apply theoretical knowledge in a real-world context while making a tangible impact on community health. By fostering collaboration and empowerment, initiatives like these contribute to the broader goal of improving healthcare access and outcomes for underserved populations.

Acknowledgments:

The success of this extension activity would not have been possible without the cooperation and support of the residents of Chinna Sooriyur. The President of the village, Mr. Shanmugam, and the Headmaster of the Panchayat Union Middle School, Mrs. Azhagu Meena were kind enough to permit us to conduct the program. We extend our sincere gratitude to Mr. Rangasamy, Office Assistant, Controller of Examination Section, Bharathidasan University, and Mr. Rangasamy, Vendor, Departmental Store, Bharathidasan University, for making all the necessary arrangements. Finally, we would like to express our gratitude to Dr. G. Mathan, Professor and Head, Department of Biomedical Science, Bharathidasan University, for guiding us throughout the extension activity.

Blood Pressure Measurement



Oxygen Saturation Measurement



Temperature Measurement



BMI- Calculation



BMS Students of 2022-2027 Batch


