DEPARTMENT OF MATHEMATICS

JIGNASA STUDENT STUDY PROJECT

ON

THE APPLICATIONS OF MATHEMATICS IN HEALTH CARE MEDICINES

JIGNASA STUDENT STUDY PROJECT-2023
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SUBMITTED BY:
1. G .BHAVANI   III B.Sc (MPC)
2. E. ARUNA JYOTHI   III B.Sc (MPCs)
3. M.MANASA   III B.Sc (MPC)
4. B. PAVANI   III B.sc (MPCs)
5. B. AKHILA   II B.Sc (MPCs)

Under the Supervision of
Sri.B.JAGAN MOHAN, M,Sc, B.Ed,(Ph.D).
Lecturer in Mathematic
Department of Mathematics
Priyadarshini GDC (W) Gadwal

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ABSTRACT

Life on the earth without Mathematics is unimaginable to all the human beings. Existence of Mathematics has been one of the important components of human's progress both in the private and professional lives.

Statement of the Problem:

Knowingly or unknowing people have been making use of mathematics in all their fields. It is wrongly conceived by same in the simply a society that mathematics is simply a subject of problems and equations.

Hypothesis:

The study is hypothesized to prove that mathematics is being applied in the filed of medicines and healthcare appliances apart from it unusual use of solving problems and equations.

Aims and Objectives:

The jignasa students study project is lovingly accepted and done with certain aims and objectives .They are

➢ To enlighten the people about the application of mathematics in the sector of medical health care.
➢ To classify and explore the use of mathematical measurements in the prescription of the use of liquid medicines.
➢ To lighten the various aspects of mathematics where it is being applied especially in medical health care industry.
➢ To provide information about the unlimited contribution of mathematics in there shapes of pills and potions along with the curve lines in CT scans and ECGs and their pros and cons in applications and adaptability.

Reviews of Literature:

The Primary survey method is adopted to carry out the study project successfully and really.

Research Methodology:

In the past of primary survey method .A common Questionnaire is prepared to extract the exact information from the staff involved in the health services of Government and private sector.

Analysis of the Survey:

Survey has been conducted successfully. Based on the survey with the help of the Questionnaire and with the answers given by the health staff, the exact analysis has been derived.

Findings:

1. It is found that the tablets and capsules which are prepared in the pharma companies are in the shape of circular or in the shape of cylinders.
2. It is known from the study that the curves and waves in CT scans and ECG are the curves of mathematics.
3. It is found that the measurements of mathematics are being used while prescribing the intake of medicines by the doctor to the patients daily.
4. It is also found interestingly that the percentage composition of each medicine in the preparation of tablets, capsules, injections and syrups is done with the help of mathematics.
5. It is also noticed clearly about the prices of the medicines could be fixed sold and purchased as per the mathematics.

Appeals and Suggestions:

The study allows us to explore our appeals and suggestions. They are mentioned here under:

1) Let all the members in the society have to incorporate an idea that mathematics is not a subject alone it is one of the applicable subjects in the general.
2) It is also appealed that a necessary scope may be provided in the medical and pharmaceutical companies by creating certain amounts of jobs to the unemployed who have studied mathematics.
3) It in suggested that the interest part and the application is to be included in the curriculum.
4) It in appeared that the perspective way and approach towards mathematical is to be changed from traditional outlook to general outlook.

Conclusion:

It is clearly and widely conceived the interesting concept of the use of mathematics in the healthcare medicines in particular and the overall use of mathematics in general.