**‘QUICK’ CELL**

(**Quantitative Understanding Inculcation for Complete Knowledge)**

(Arithmetic, Algebra, Geometry, and Calculus – Some Basic Skills)

**[Arithmetic! Algebra! Geometry! Grandiose Trinity! Luminous Triangle! – C. de. Lautreamon]**

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|  |  | To orient and teach basic Mathematics to the slow learners |  |  |
|  |  |  |  |  |
|  |  | To train students for solving mathematical problems in competitive | |  |
|  |  | examinations |  |  |
| **Aim and Purpose** |  | To inculcate the significance of mathematical knowledge in Basic Sciences and | |  |
|  |  | solving Business problems |  |  |
|  |  |  |  |  |
| Dr. M. Selvam |  | Prof. & Head, Dept. of International Business & Commerce | Co-ordinator |  |
| Dr. N. Anbazhagan |  | Prof. & Head, Dept. of Mathematics | Member |  |
| Dr.Amutha |  | Asst. Professor, Dept. of Mathematics | Member |  |
| Dr.Rajan Chinna |  | Assistant Professor, Dept. of Logistics Management | Member |  |
|  |  |  | |  |
| **Activities** |  | Orientation to students and faculty on advanced basics of mathematics, | |  |
|  |  | Measurement Methods, etc. |  |  |
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|  |  | Training to students on the nuances of Mathematics, tricky Mathematics, Riddles | |  |
|  |  | in Mathematics, etc. |  |  |
|  |  | Orientation to faculty on Application of Mathematics ( Statistics and Computing) | |  |
|  |  | in Research and Analysis |  |  |
|  |  | Building understanding of Mathematics behind everything |  |  |

**QUICK – CURRICULUM: Description and Contents**

**Arithmetic Sense:** Arithmetic sense in every day like. Loving numbers, Knowing usual andshort-cut ways of multiplication, division, knowing different types of numbers, the square/cube, etc. of numbers and their uses.

**Elementary algebra:** Elementary Algebra is essential for any study of Mathematics,Science, or engineering, as well as some applications as Medicine and Economics. It differs from Arithmetic in the use of abstractions, such as using letters to stand for numbers that are either unknown or allowed to take on many values. Ideas of variables, constant, polynomials, etc. making equations to represent day-to-day activity chores like demand, supply, production, savings-consumption-income, etc.

**Elementary Geometry:** List of some common mathematical shapes and figures and theformulas that describe them. Properties of two-dimensional shapes and three-dimensional shapes, Angles etc. Trying some theorems like Pythagoras and their applications.

**Calculus: Calculus=** Exactness of Arithmetic + Approximation of Common Paradigm!!Concept of Limit. types of Calculus- **Differentiation and Integration - Applications and** **their day-to-day use.**

**Pedagogy:** In our **Core + *NALA*** approach, the ‘***N***’ stands for Numeric, i.e., quantitative/mathematical aspects dealt side-by-side in the regular classes wherever relevant and certain special exercises and experiments with experts, AUSC, etc.

