

**‘Reformatory Empirical Study of Physics-RESP’**

## **Age of Knowledge**

‘Industrial Age’ is gone and presence is the ‘Age of Knowledge’ by the 21<sup>st</sup> Century.

## **Physics**

‘Physics’ is our quantifiable measure of ‘Understanding’ of the WORLD Entity of MATTER.

## **Science**

‘SCIENCE’ is the expansion of ‘PHYSICS’ in many different Field Specializations.

## **Knowledge**

Knowledge is the ‘Knowhow to Happen’ and there are three ways to gain Knowledge;

1. **College for Knowledge** (following of the academic references)
2. **Experimentation for Knowledge** (performing of practical exploration through laboratory experimentation)
3. **Intuition for Knowledge** (leading by empirical exploration via logical reasoning and scientific deduction)

## Where we are...

PHYSICS is losing its so far earned Dignity as the REALITY of World, by conservation of unfiltered stock of Knowledge, gained through centuries.

Different schools could not be born in PHYSICS, such as 'Classical Mechanics', 'GR/SR' or 'Quantum Mechanics' if the subject content is regularly filtered via challenging, testing & convention for the ultimate REALITY.

Disciples from the different schools definitely stand to protect their subject fields from new Challenges and as a result, present-day 'PHYSICS' has become another 'Religion' to believe.

Our unfortunate future generation happens to follow up the ever accumulated heavy stock of unfiltered subject content, which is beyond the carrying capacity of a healthy human brain. I wonder why our Environmentalists name it as 'Mental Pollution'.

The fore-march of the majority of the Global Sciences based on PHYSICS, have been held up at the extreme ends of stagnancy, in the utmost UNCERTAINTY, due to lack of access to challenge the famous prized theorizations in the unfiltered stock of the centuries late school Conservation.

As a result, the mankind has currently reached almost to the dead ends in microscopic & macroscopic level of experimentation and hence PHYSICS requires a promising directional guidance as the sole need of the 'Age of Knowledge', via **intuitional intervene** of Empirical Analysis in Scientific Deduction.

## **Can Physics of the 21<sup>st</sup> century answer any of the following questions in certainty?**

- What is Matter?
- What is the Space?
- What is Light?
- What is Vacuum?
- What is Force?
- What is Field?
- What is Charge?
- What is Gravity?
- What is the bond between Nuclear Particles?
- What is Electromagnetic Force?
- What is a Black hole?
- What is Dark matter?,.....?

Then what could be the 'Dignity' of PHYSICS today?

## **Objective of the Study:**

- 1-Separation of the entire unfiltered subject content of PHYSICS in the background art, into two Branches such as;
  - Physics Literature (Conservable as the evolution of physics)
  - Fundamental Physics (Renewable forever as the Resource of the REALITY, being exposed for Challenges by Testing)
- 2-‘Reformatory Initiative’ for advancement of PHYSICS

## **Reformatory Initiative:**

One year online Certificate Course has been scheduled to be launched.

1. Education Centre:  
‘**Empirical Study Centre of Natural Philosophy**’-ESCENP-454/30, Dutugamunu Road, Battaramulla, Sri Lanka.
2. Name of the certificate course:  
‘**Reformatory Empirical Study of Physics-RESP**’
3. Teacher & Founder of sole authority, of the course & course materials:  
Cyril H Thalpe Gamage  
[www.cyrihtgamage.com](http://www.cyrihtgamage.com)
4. Program Coordinator:  
Christine Weerakoon  
[fcw218@outlook.com](mailto:fcw218@outlook.com)

## Course Curriculum:

### Module-1: **Matter**

Topic	Subject Domain	Extent
Consistency of Matter	Scalar Consistency of Matter	V-1
Structures of Matter	Particle Structures, Medium Structures & Field Structures of Matter	V-1
Dynamics of Matter	Linear Dynamic, Rotary dynamic & Field dynamic Behavior of Matter	V-1

### Module-2: **Energy**

Topic	Subject Domain	Extent
Kinetic Energy of Matter	Kinetic energy in exterior motion & Kinetic energy of interior rotary dynamics within the Particles	V-1
Volumetric Energy of Matter	Energy required for a Particle to acquire a Volume against Pressure of the Vacuum	V-1
Potential Energy	Energy gained by the position in a Force Field	V-1

## Module-3: **Force**

Topic	Subject Domain	Extent
Mechanical Force	Mechanical Dynamics	V-1
Medium Pressure Force	Linear & Vortex Dynamics of Fluidic Medium	V-1
Magnetic Force	Mechanism of Magnetism	V-1
Electromagnetic Force	Mechanism of Electromagnetism	V-1
Gravitational Force	Mechanism of Gravity	V-1
Nuclear Gravitational Force (strong force)	Mechanism of Nuclear Gravity	V-1

## Module-4: **Mass**

Topic	Subject Domain	Extent
Mass of Atoms	Scientific Deduction	V-1
Mass of Energy Particles	Scientific Deduction	V-1
Mass of the Vacuum Medium	Scientific Deduction	V-1

## Course Schedule:

Those who interest to participate for the online Knowledge Enhancement Program may contact Ms Christine the Program Coordinator for application and program details.

- No age barriers
- No pre-qualification barriers
- No exam barriers

The program is so certain to improve the Students;

1- Analytical Thinking

2- Logical Reasoning

3- Challenging skills

4- Alternative Conceptual Modeling

5- Scientific Deduction towards the Reality.

Commencement of the Knowledge Enhancement Program shall be announced in accordance with your response.

Thank you.