Artistic Themes of the Scientific Ravi 2013

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The theme of whole Scientific Ravi 2013’s art is has been maneuvered in way that it represents a complete balance of arts with science. A necessary and missing flare of superior art is added for some separators and scientific ravi’s feature section. Their theme along with the theme of this year’s magazine’s cover is briefly explained under that why they are that way.

Magazine Cover

The cover of 150 years’ special edition of Scientific Ravi 2013 is conceptual representation of GCU as a pale blue dot prestigiously suspended in the universe. Since, the GCU is one and only institution that holds such prestige which makes it cynosure (Polaris) with its grandeur. Moreover, the pictorial presentation can be referred as an image of GCU as a glorious and distinctive planet taken by a telescope of voyager somewhere hovering in nebula and universe. The blue tone is selected because it is the most human color. While rest of the meaning depends on what you perceive and extract the secrets out of it.

Separators

Biotechnology: A processed genetically engineered chromosome is featured since such technology has widely made its mark deep into research and has produced marvels in the field of biotechnology.

Chemistry: Fireflies in bottle are featured since their glowing process is called bioluminescence which happens when a chemical reaction between luciferin and oxygen takes place. One of the brilliant sights of nature, that chemistry explains.

Economics: Economics is like a chess which requires witty moves, the tone of the separator is kept red since this color is associated with our most physical needs and will to survive as it is deeply rooted into economics as well. Red signifies a pioneering spirit and leadership qualities, promoting ambition and determination. Black and white chess pieces of different ranks are goods and harms amongst the stake holders.

Engineering: An out of the box artistic picture of steam engine is featured, since this special edition of Scientific Ravi aims to express balance between Arts and Science.

Mathematics: A physical representation of \[ \pi = \frac{22}{7} \] is featured. The data visualization software Circos has been used to create beautiful and colorful visual representations of mathematical constant \( \pi \) and its sequencing to express the beauty of visual mathematics.

Physics: An evocative painting of Peter Higgs by Ken Currie is featured since in 2013 it was announced that Peter Higgs and François Englert shared the 2013 Nobel Prize in Physics "for the theoretical discovery of a mechanism that contributes to our understanding of the origin of mass of subatomic particles…". The featured painting portrays a time when photograph of Higgs is taken, a reflection in the mirror behind reflects the camera flash as Higgs Boson makes aura of Higgs. (Rotate 90 degree right for actual orientation)

Psychology: A picture showing a person entrapped in a web of thoughts.

Statistics: A fractal rendered image of Muldin Gasket is featured where Fractal Dimension Calculator (FDC) is used, it estimates the fractal dimension based upon the statistical data of an object under consideration. This is accomplished by an algorithm called "box-counting".

Feature Section: An image for feature section is used that represents the collective flare of featured articles of 2013. A perfume bottle with camera lens cap.