



“Future Technologies: Your Dream and Vision”
(Formal Announcement)

Science and Technology are full of desires, desperations and dreams. It started with philosophy, matured with discoveries and settled on inventions. Scientists and technologists have successfully translated dreams into action for the development of society. We have progressed so far as a result of inventions from Wright brothers, James Watt, Graham Bell to the innovations of Mobile phones, artificial intelligence, Robotics *etc.* These innovations were somebody’s dream earlier. So the fundamental factor for our growth is, in fact, contained in our dreams.

In the pre-historic era when man started living in communities, they had some leisure time to ponder upon a few fundamental questions that why anything could happen, whatever had been happening naturally. That was how science was born. That was how nature was seamlessly and subtly integrated with logic. It was conceived by philosophy and delivered by reasoning. The century long debate on geocentric and heliocentric design of universe avalanched into so many basic questions of existence – existence of life on earth, in universe – which were concluded one-by-one by the great dreamers and scientific philosophers, like, to name a few, Aristotle (384-322 BC), Archimedes (287-212 BC), Aryabhata (476-550), Copernicus (1473-1543), Galileo Galilei (1564-1642), Kepler (1571-1630), Isaac Newton (1642-1727), Benjamin Franklin (1706-1790), Charles Darwin (1809-1882), Gregor Mendel (1822-1884), Samuel Freud (1856-1939).

After addressing the fundamental questions of the very existence of life, there were generations of scientists and technologists/inventors who devoted their lives to propose better and better applications for mankind in general. Blaise Pascal (1623-1662), Louis Pasteur (1822-1892), James Clerk Maxwell (1831-1879), Thomas Alva Edison (1847-1931), Henri Ford (1863-1947), Marie Curie (1867-1934), Wilbur (1867-1912) and Orville Wright (1871-1948), Albert Einstein (1879-1955) are a few of them.

The list of great inventions and discoveries is endless. Of them are the Wheel, Aircraft (Wright brothers), Antiseptic (Louis Pasteur), DNA (James Watson, Francis Crick), Dynamite (Alfred Nobel), Internal Combustion Engine (Lenoir, Nikolaus Otto, Eugene Langen), Light bulb (Humphry Davy, Joseph Wilson, Thomas Edison), Transistor (John Bardeen, Walter Brattain, William Shockley), Television (John Logie Baird), Radio and Microwaves (J.C. Bose), Telegraph (Samuel Morse), Telephone (Graham Bell, Elisha Gray), X-ray (W.C. Roentgen).

All these inventions and discoveries have been diverse in nature. But there was one common element that placed them ubiquitously in the books of history forever and

that is – each one of them was a great dreamer with sharply focused vision. They had a dream to discover, a truth to unravel.

Dream big. Only when your dreams are great can your accomplishment be great. But remember all dreams come at a price. One needs to strive for making his or her dream come true. This comes from visionary strength of your inner self. A visionary who cannot translate his vision into a reality is only a dreamer. Achieving a vision requires sacrifice. People who made things happen were people who had visions. The greater the vision, the greater the potential it generates.

IEEE Gujarat Section has a vision – a vision to create potential amongst its members, a vision to change the attitude of its members. To achieve this, the IEEE Gujarat Section announces a National Level Competition entitled

“Future Technologies: Your Dream and Vision”

Scope

1. Computer Science
 2. Information Technology
 3. Electronics and Communication
 4. Telecommunication
 5. Information and Communication Technology
- and any other field or discipline of interest of the IEEE.

Eligibility

The participant should be **an active IEEE member belonging to any section of IEEE India Council** only. **This is not for student members.**

Evaluation

- The write-up will be evaluated by IEEE fellows or eminent personalities in the field of Electrical and Electronics Engineering.
- The decision of the judges will be final and will be binding on all participants

Submission

- The write-up should not exceed 2500 words
- The write-up should focus on specific technology in the field of the IEEE (*cf.* ‘scope’)
- The idea should be original (with an undertaking from the participant)
- Only single-authorship is allowed
- Electronic submission in pdf format along with the hard copy submission
- Format of the entry shall be similar to any publication in IEEE Transactions or journals
- All entries should be accompanied by a DD of Rs. 250/- in favour of IEEE Gujarat Section

- The document submitted for this competition will be the property of the IEEE Gujarat Section and may be published in any IEEE publication
- The entries may be sent to deepakmathur@ieee.org AND anilkroy@ieee.org

**Chairman, IEEE Gujarat Section,
B-20, Maitri Ashoka Bungalows,
MOTERA,
Ahmedabad – 382424.**

Award

- 1st Prize : Rs. 20,000/- + Certificate
- 2nd Prize : Rs. 10,000/- + Certificate
- 3rd Prize : Rs. 5,000/- + Certificate
- 4th Prize : Certificate
- 5th Prize : Certificate

Important Dates for year 2006

- Last date of receiving entries **31st July 2006 (Extended up to 31st August 2006)**
- Result Announcement **15th October 2006**

The result will be declared by 15th October 2006 and will be displayed on the website of IEEE Gujarat Section. The winner will be notified by email also.

The winner will be presented with prize money and the certificate in an IEEE function (to be announced later by the Chair, IEEE Gujarat Section).