

Hello From The Editor

Man is gifted with the ability to think, which has made him the most superior race on the Earth. His inquisitive nature and innovative tendency have made him harness the fruits of nature for his benefit and well-being. Man's ability to convert stone into weapons and animal skin into clothes in the early stone-age period itself provides ample proof for his innovative skills.

It was the development of technology with the advent of the wheel some 5000 years ago that gave a new dimension to his innovative capabilities. Using the wheel as a basic tool, man was able to develop new machines and devices, which made his living more comfortable. The wheel no doubt provided the fodder for man's innovative thoughts, but its widespread utilization for technological gain was realized only from the 18th century. This paved way for many an invention and discovery during that period. Starting from steam engines of the 18th century to the supersonic jets and space shuttles of today, technology has grown a long way. Now the technological development is virtually racing with time, what with research findings and breakthroughs reported from different parts of the world at the wink of an eye.

In such a situation, it is most essential for each and every individual, more so the students who will be the torchbearers of tomorrow, to be well informed about these developments. It is at this juncture that 'TECHNOWORLD' has come in as a channel to disseminate this much needed information to the people.

A unique feature of TECHNOWORLD is its resolve to provide a common platform for industry institute interaction. Though the technological developments are channelized through industry to the ultimate users and the industry is directly dependent on technically qualified manpower for its functioning and growth, there is a wide gap existing between the industries and institutes--which mould the technical manpower of tomorrow. While on one hand the teaching in institutes are restricted to a rather rigid diet of facts and concepts imparted by teachers relying largely on 'chalk and talk', the industries on the other hand are not specifying what they really expect from the products of the institutes. This has led to the output of graduates who are becoming nonproductive technical manpower for the industry and the country.

Project Planning Services (P) Ltd. has taken up the challenge of addressing this problem with a new dimension and a fresh outlook. It is the company's endeavor to build an effective and sustainable interaction between the institutions and industries, A series of well planned and structured programs are on the anvil to achieve this objective. TECHNOWORLD is a sincere effort in the same direction. In order to initiate a fruitful dialogue between the personnel from industries and institutes, the views of two important personalities, Prof MM. Holla, Principal, RV College of Engineering, and Mr. Jagadish Prasad, Additional General Manager, Bharat Electronics are included in the section Technotalk'.

The Channel tunnel is one of the greatest engineering achievements witnessed in the history of mankind. The present issue carries an exclusive article on the making of the Channel tunnel. Also in this issue, articles on renewable energy sources, prediction of earthquakes, and bar-code identification methods are included.

Through this magazine, professors, academicians, industrialists & educationists can share their vast experience and knowledge with aspiring young engineers. And for budding engineers, it provides an excellent opportunity to exhibit their creative talents in the form of writing articles, stories and snippets on matters pertaining to science, technology and education. Also, for the industrialists it will be an easy and effective medium through which they can publicize and advertise their products and reach out to a well-defined target audience.

The response to our call for the contributions to the inaugural issue of this magazine has been very enthusiastic. The academicians, industrial personnel and students alike have sent in their contributions in good numbers. We are grateful to all these people for their prompt response. We

acknowledge the timely help of different foreign embassies in India who have furnished valuable information about the technological developments in their countries. We wish to thank the honorary advisors, editorial consultants and other well wisher students and faculty members who have supported us both directly and indirectly in this venture.

We hope that this magazine would be well received by all concerned and expect your continued cooperation in future too. We wish you an interesting reading.

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