to the national core industrial capabilities. On the other hand, the professional organizations set up for building our industrial capability including that in IT are, in many cases, plagued with lack of leadership and motivation, bureaucratic styles and overall mediocrity.

Academic institutions, especially those in engineering and technology have also pursued so called international standards of R&D which are often highly theoretical (not to imply unrealistic or irrelevant), in contexts which are not our national priorities and do not allow us to build complete capabilities in respect of any technology.

Such research has also stood in the way of gaining actual engineering experience of implementing systems in industrial context, which are essential for developing industrial computing products.

We are destined to be using industrial IT in the coming years to a much larger extent. There is not going to be any other option for survival, let alone prosperity. Whether we intend to be a dependent consumer, helplessly driven by the global market forces or a significantly self-reliant player learning to competing in the global industrial IT market is a matter of national policy.

However, it would require a lot of change in the attitudes and strategies of our national R&D and industrial organizations if we have to unleash the new genie that can transform the factories of the future and bring pride in the label MADE IN INDIA.

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These Screen frames could be easily fixed to any available windows or doors. The future trend in India is going to be Live more and more free from mosquitoes and insects. These screen frames which are mostly aluminium rollformed sections are designed in such a way that fiberglass screens could be easily fixed on to the frame and also removed whenever necessary.

Compared to other nets/screens fibre glass screens allow a maximum airflow and light transmission(>80%). They have a life of minium of 10 years and has excellent aesthetics(no sags, no Stretches), Fire retardant, easy to use and easy to clean and maintain. There are different shaped rollformed shapes available for these screen frames.

Fig.1 to Fig 22 are some of the rollformed sections which are used in the manufacture of doors and windows. Fig.1 to 10 have been developed by Sedvik Industries, Bangalore. Out of these, Fig. 1 to Fig.4 are the commonly used Door and Window Frame sections.

Fig.1 to 4 could be press braked also. But the Section shown in Fig. 2 is a much stiffer section and cannot be easily press braked. The Section shown in Fig.5 also cannot be press braked . After giving a wood finish paint the frame would look like a wooden frame.Sections shown in Fig.6 and Fig.7 are window panel frame sections.

They are shaped as single lipped and double lipped tubes respectively. The lip provides support for fixing glass. The Section shown in Fig.8 is a panel frame section for stainless steel doors. Fig.9 shows a sandwich panel with two rollformed outer skin sections.

The inside is injected with PU foam for getting stiffness as well as insulation property. These type of panels are ideally suited for cold countries. Fig.10 shows an aluminium screen frame section for fixing fibre-glass screens. Fig.11 to 13 are other sections used for window frames.

Fig.14 to Fig.22 are the sections made out of pre galvanized and painted M.S.coils which are used for elegant looking pre-fabricated Doors , Windows and Office partition purposes. These Sections are sent in knocked down condition and assembled at site.

From the above mentioned examples we could see the tremendous growth potential to use the novel type of rollformed sections in the area of manufacture of Doors and Windows in India in the years ahead.

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