

## **“Techno Centre”- Opening New Doors and Avenues for Faculty, Students and Communities with M.S. Ramaiah University of Applied Sciences**

In my recent trip to the UK, I spent almost a day with Garry, one of my good friends from the UK for the last 15 years discussing his achievements. Garry was very happy as he had sold one of his motor bike dynamic simulation module to a commercial simulation software development company and he had got significant amount of money and he was contemplating to buy a recently model of Porsche. Garry is a professor in one of the Universities in the UK, doing his research in the Vehicle Dynamics area and he keeps developing simulation tools in association with his colleagues and students. He and his team in partnership with the University Techno Centre, commercialise their work, and share the profits with the University.

Garry and me know that the most of the design and simulation codes which are industry standard today are developed at the Universities. Professors in the Universities have the excellent knowledge of the subject, ability to model, convert model into algorithms and code them and they have an intellectual work force around them in the form of junior colleagues and research students. If the teams of professors are well supported to develop products and commercialise, excellent products come out from the Universities and professors never remain poor guys any more.

At MSRUAS, we have faculties of engineering and technology, science and humanities, art and design, dental and pharmaceutical sciences and Management and commerce. Many of our professor are well qualified and work closely with research, industries and business establishments. On the other side, we have established a Techno Centre. The University Techno Centre encourages the professors and students to work together towards development of commercially viable products for the use of industry, research and business establishments and share the profits.

The Techno Centre at MSRUAS

- Provides engineering solutions to problems posed by industries, research establishments and business establishments
- Design and Develop Products to meet diverse requirements of Society
- Provides Testing and Validation services to Industry
- Undertakes Commercialization of Technology Products
- Incubates Technology Products and Businesses
- Supports Industrial Cluster Development

To support these activities the Techno Centre operates the following Centres

- 1 Engineering Design and Analysis Centre
- 2 Electronic System Development Centre
- 3 New Product Design and Development Centre
- 4 Biomechanic and Biomedical Product Development Centre
- 5 Pharmaceutical Product Development and Testing Centre
- 6 Faculty-Student Initiated Product Development Centre
- 7 Product Commercialisation and Facilitation Centre
- 8 Technology Product Incubation Centre
- 9 Industrial Partnership Development Centre

The **Techno Centre** is headed by a Director and supported by two general managers and each centre is run by a manager.

The Techno Centre at presently interacting with

- 1 Laboratories of Defence Research and Development Organisation particularly with NPOL, CVRDE, DARE, GTRE, NPOL, DEBEL, ADA, CAIR etc.,
- 2 Public Sector Companies like BEL, BEML
- 3 Hundreds of companies in private sector all over the country
- 4 Industrial Associations like "CLIK"- Consortium of Electronic Industries, "PIA"-Peenya Industries Association, Kasia- Karnataka Small Scale Industries Association
- 5 TIFAC- DST, GOI
- 6 Development Commissioner, MSME, GOI
- 7 Agricultural Universities of Karnataka and Agricultural Department of Karnataka
- 8 Hospitals and Biomedical Devices companies

The Techno Centre has opened up new doors and avenues for members of faculties and students. Any member of the faculty interested in developing a product in association with other members of the faculty and students can propose such an idea with the Techno Centre and work in partnership with the Centre for development and commercialisation of the products using all the resources that are available in the University. The other opportunities are that the students are funded to incubate technology products on campus and they can move forward to develop technology businesses with the support of the University. The concept of encouraging product development and commercialisation is not restricted to members of faculty or students and it is an opportunity extended to any one genuinely interested and he/she can avail as long the proposal is possible and feasible.

**Prof. S.R. Shankapal**