DST-AMRITA
TECHNOLOGY ENABLING CENTER

TEC @ Amrita

ESTABLISHING TECHNOLOGY ENABLING CENTRES (TEC) **IN UNIVERSITY SYSTEM**

A rapid expansion has been observed, over a period of time, in the R&D output of the country, in terms of publications, IP, research translation and technology commercialization etc. These outcomes are playing an important role in the country's economic development,as evidenced by various rankings and performance matrices. Academia is the prime resource in any country for generating new knowledge and its conversion to wealth. However, absence of effective institutional mechanisms in academia for translating R&D output into technological wealth is a big impediment. TDT Division has been implementing Technology related programmes since the inception of DST. Its success in terms of indigenous technology development has been satisfactory;however,the contribution to this from the University system is yet to be optimized. DST has deliberated several times on institutionalizing industry academia interaction, wherein creation of an enabling ecosystem has always emerged as an issue remaining to be effectively tackled.

Establishment of Technology Enabling Centres (TEC) in the University System is a step in this direction.

The objective of TEC will be to create an Ecosystem for Technology Development in the Universities and to provide a platform to network researchers with other institutes, National laboratories and industry. The focus of Centres will be on providing an enabling eco system, process and support system.

TEC
@ AMRITA

Technology Enabling Center at Amrita Vishwa Vidyapeetham is established in September, 2019 with the support of Department of Science and Technology, Govt of India. Our mandate is to create an Ecosystem for Technology Development in the state and country by networking with researchers, institutes, National laboratories and industry. The focus of Centres will be on providing an innovation eco system, process and support system.

In the TEC we make sure that the technologies/innovations developed in the state reach the market through collaborations with companies. We work to "make things happen".

We work on Market-Driven Technology Transfer. We're convinced that to translate technologies and discoveries to the market, we need a market perspective from the very beginning. TEC takes this "company perspective" when working in tandem with the researchers, bridging the gap between research and industry. We're allies of the companies while the transfer process is underway, ensuring a winning result for all sides.

The team, with a broad experience in business and research, fosters the partnership between industry and science and helps them to align their interests and complementary strengths in order to create trustworthy and long-lasting alliances for the pursuit of common goals.

The TEC scouts new discoveries and results in the institute, gives supports to the researchers during technology valorization and intellectual property development, and defines the commercialization strategy.

At the beginning of the innovation chain, the TECHNOLOGY ENABLING CENTER (TEC) supports the finding of inventions or innovative ideas through, e.g., technology screenings or inventor workshops. Inventions are subsequently rated and potentially patented by the TEC. For software developments and commercially interesting services suitable commercialization strategies are developed and marketed through business networks or dedicated business development efforts.

Regularly, inventions from fundamental research projects undertaken at Universities are not market-ready, if this is the case, the TEC supports in setting up projects for the validation or prototyping of technologies.

Additionally, the team of TEC is the point of contact for requests from the industry, e.g. with respect to co-operation projects, contract research or the development of tailor-made solutions.

MISSION

Our mission is to create an eco-system that contributes to empowering the scientific and business community and enhancing the innovation potential of both - the state and the country as a whole.

VISION

Our vision is to emerge as the academic hub in the state for innovation by providing synergy and support to other academic institutions and MSMEs in the state.

OBJECTIVE

Overall objectives include

- Awareness creation for solutions based on needs assessment.
- Creating platforms for exhibition and showcasing of talent.
- Nurturing innovators through its network of partners.
- Augment innovators in the Kerala State with
  - Eco-system of resources
  - Innovation
  - Advisory/facilitating role towards technology transfer and entrepreneurship

ADVISORY BOARD

Dr. Krishnashree Achuthan
Coordinator, TEC.

Mr. Joydeep Nag
Head and Advisor, TEC

Mr. G.S. Prakash
Joint Director, MSME-DI, Thrissur

Dr. Anita Aggarwal
Scientist, DST

Dr. Krishna Kanth Pulicheria
Scientist, DST

Dr. Maneesha Sudheer
Computer Science & Wireless Technologies

Ms. Salma Jetha
IP & Patent Offices

Dr. Bipin Nair
School of Biotechnology

Dr. Raghu Raman
Department of Management Studies

Dr. S. N. Jyothi
Principal, School of Engineering

Dr. Nandakumar
Principal, School of Arts& Sciences

Dr. Padmanabhan
Department of Chemistry

TEC ECOSYSTEM
PARTNERS

ACADEMIC PARTNERS

We provide a number of services to the research community at Amrita and our partner universities. One of the most visible services we offer is licensing the new technologies faculty and staff develop. This results in benefits to the inventors, the university and society in general.

If you have an invention and would like to begin working with TEC, we encourage you to start with the invention disclosure process.

Additional activities include:

- Evaluating the commercial potential and patentability of new technologies
- Managing the intellectual property protection process
- Marketing and licensing patents, materials, software, and other technologies
- Providing guidance on open source software licensing.
- Receiving and distributing royalties and other income to inventors at Amrita and other

INDUSTRY PARTNERS

TEC's evaluation, marketing and licensing processes ensure that technologies created in Indian Universities are developed and commercialized for the benefit of the widest appropriate audience.

Here are the company characteristics that TEC looks for to successfully license technologies developed in India:

- A company that recognizes the likely commercial benefit of the technologies developed at various Universities across India.
- A company that has the resources to develop the invention (usually early stage) and is determined to commercialize it.
- Serious intent demonstrated by negotiating a reasonable licensing fee and reimbursement of patent fees (where applicable).
- An understanding that the University's primary goal of technology transfer is wide dissemination of new technologies for the public good.
- A company that takes a 'partnership approach' to working with Amrita and our partner Universities.
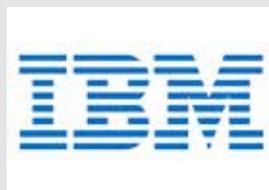
MSME-DI Thrissur, Bangalore	K-DISC	FICCI	BCIC
RUPA	IBM	HONEYWELL	TEKTRONIX

SERVICES

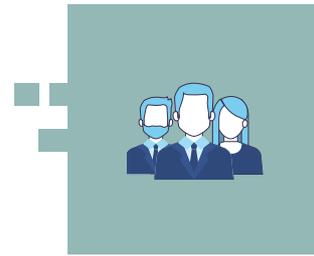| IP Guidance	Technology Scouting	Technology Transfer	Consultancy

TEC NODAL CENTER
PROGRAM

What is TEC nodal center program?

It is an exciting new venture which allows institute to use Technology Enabling Center for the benefit of their students and teachers & provides a platform for everyone to platform to network with other institutes, National laboratories and industry for technology development and commercialization. There is no registration fee involved. We are looking for expressions of interest from reputed educational and research institutions to be part of DST-Amrita Technology Enabling Center(TEC).
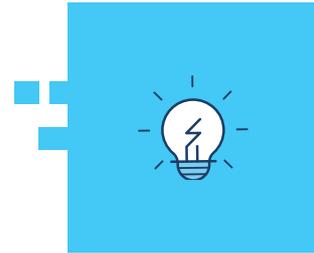
Activities under TEC Nodal Center Program

Industry outreach

- 100+ MSMEs & MNCs
- Hands-on Projects
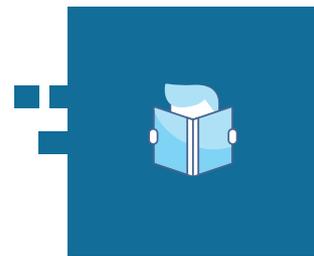- Internships
- Collaborate with Domain Experts

Nurture your talent

- 160+Startup Incubation
- Innovation Days
- Hackathon

Upskill your knowledge

- Virtual Labs
  (200+ institutions benefited)
- Expert Talks
- Webinars/Seminars
- Workshops

Academia collaboration

- Project Collaborations
- Networking
- International Universities
- Indian Universities
- 150+ Nodal Centers

How to become a TEC nodal center?

To become a DST-Amrita TEC nodal center, educational institutions have to submit Expression Of interest form (EOI) enclosed in the mail.

DST-Amrita
Technology Enabling Center