

# Technology Training & Research Center (TTRC)

Corporate profile of TTRC



## Technology Training & Research Center

*Excellence soaked in wisdom of thirst for knowledge is all what matters!*

Technology Training and Research Center was established in the year 2010. It is an initiative of Airframe Aerodesigns Pvt. Ltd. to build a system such that Industries in the area of Design and Manufacturing get right resource at the right time.

With the rapid rise in the number of engineering students across the country and devaluation of education sector, TTRC realized the need to establish a framework where young graduates especially in the core areas of mechanical, aeronautical, civil and electrical engineering understand the market requirements so that they build up specific skill sets to address Industrial objectives.

On the other hand the traditional methodology of intake in organizations, with large and specific skill set requirements take a long cycle time. This is because the learning curve developed in the institution differs a lot from what is expected at Industries and Industries in specific need to train individuals at their cost for instilling employability skills. Thus the Genesis of TTRC lies in

- ◆ Need to fill the existing Industry –Education divide.
- ◆ Introduction of Contemporary technologies at Institutional level.
- ◆ Facilitating and channelizing proactive participation of students for future developments in the field of science and technology.
- ◆ Establishing Industry specific skills to accentuate theoretical learning.
- ◆ Collaborating for knowledge sharing and developing an Industry centric feedback mechanism.

### VISION

To inspire the next generation Scientists, Engineers & Technology Entrepreneurs towards creating a secured world and improved quality of life by investing in technologies in collaboration with Industries & Academia .

### MISSION

To establish an epicentre of technological advancements and practical learning encompassing technology sharing, ideas exchange and global collaboration to progressively contribute towards the development of Education sector, Research and Industry in tandem.

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### Facilities

The infrastructure which makes TTRC functional and efficient, would add up to the learner's ease. Our facilities include:

- Specially designed a/c training cubicles with Audio and Video enabled functionalities.
- Virtual platform for training (self developed)
- Learner friendly corporate culture
- In-house management software
- High end servers for advanced projects
- Resourceful library with books, ebooks, case studies, pilot projects, CD's/DVD's
- **Licensed software:**
  - ⇒ CATIA MD1 & CATIA MD2
  - ⇒ Creo 2.0
  - ⇒ Auto CAD
  - ⇒ ANSYS Mechanical
  - ⇒ ANSYS Workbench
  - ⇒ ICEM CFD
  - ⇒ Design Modeller
  - ⇒ Fluent

# TTRC Services

## We intent to Bridge the GAP between Industry & Academia!!!

### Training Domain

- Computer aided design (CATIA based) applications to Mechanical, Civil, Auto-motive and Aerospace Engineering
- Finite Element Analysis (ANSYS based) applications
- Computational Fluid Dynamics (ANSYS based) applications
- HVAC Design with an insight onto CFD applications
- Process Piping Design & Pipe Stress Analysis as per ASME B 31.3
- Metamorphosis-Soft skill development

### Other Resources:

- ◆ **Seminars** – Face to face live interaction with Experts & Co-learners leads to yield better results of TTRC's valuable Seminars on hand picked topics
- ◆ **TTRC Community** – For exchange of Ideas, discussions & knowledge sharing with other TTRC members, TTRC community forms a virtual learning center
- ◆ **Webinars** – Online, Expert sessions provide a dynamic classroom experience delivered through the Internet to your desktop or laptop by world-class instructors.

### Companion Development Program

Companion Development program allows the candidates to undergo flexible and robust authoring system enabling them to customize various TTRC courses and assessments to meet specific industrial needs.

### Training Support:

The training supports are provided to create comfortable environment for learners and trainers of TTRC.

### Classroom:

TTRC provides the Knowledge Transfer Program (KTP) facility to support the virtual learning process (self-developed) of training. Classroom enables the learners to learn basic to advanced level concepts of Engineering through video/audio lectures, flash movies, workshops and webinars by the use of high speed internet. Our classroom provides a privilege to accommodate 20 persons. It is specially designed to comply with online discussions. TTRC is equipped with crystal clear high pixel projector and teleconference facility.

In order to ascertain its objective, TTRC focus on interactive, systematic and holistic, action oriented and outcome based transfer to the work place through its products and programs.

TTRC designs and delivers adaptive and blended training curricula tailored to the needs of engineering graduates. TTRC programs provide:

- A comprehensive offering of high quality learning
- Technology to leverage, extend and enhance the value of learning
- Services to support our customers' long term success
- Scenario based learning that enables learners to experience real world situations in safe, exploratory environments.



### Testimonials

- ◆ **Mr. Aneesh Suhail CTO Tri-assic Solutions Pvt Ltd** - TTRC trained candidates are best suited for industries in attitude, technical and communication
- ◆ **Mr. Abdul Rasheed AGM Kerala Electricals and Allied Engineering Co Ltd.** – TTRC training curriculum and the training methodology is far supreme and meets industrial standards.
- ◆ **Mr. Salamah S. Al Anizi C.E.O of GIESC (K.S.A)**- Our effort in training the Engineers was sufficiently reduced when the engineers has been trained at TTRC.
- ◆ **Saji Varghese, M.D, Orell Software solutions Pvt Ltd** -Soft skill training conducted for our employees was far beyond the expected level.
- ◆ **Dr. Manoj, H. O. D (Mechanical), VJCET** - Quality of FEA training was very high and provided our students with hands on experience onto industrial case studies.
- ◆ **Mr. Sanjith. K. V, P.R.O Nehru group of Institutions**– The training programs implanted for upcoming Engineers, played a major role in our students placements.

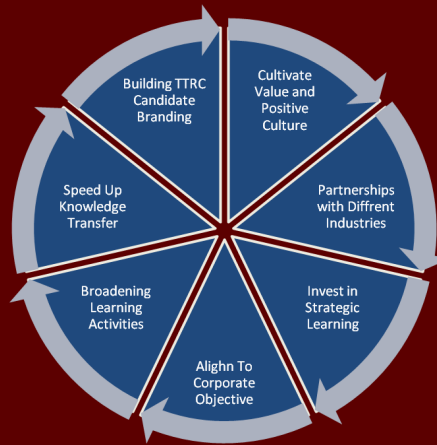


## Get the best you Can!!!

TTRC calibrates the culture of Engineering industries for broadening and strengthening of the Engineering education in India and also the careers of budding Engineers. 'Team work means more we' has taken a real meaning at TTRC through the concept of Industrial-Institutional Partnership Cell (IIPC), bringing together the industries, colleges and human resources of Engineering, leading us to the advanced Engineering industry.

### Shell of Certifications & Accreditations:

- ◆ Certificate of Authenticity, from Support partner of ANSYS Inc
- ◆ Certificate of Authorization & Appreciation, from Airframe Aerodesigns Pvt Ltd
- ◆ Institutional Membership of Indian Society for Technical Education (ISTE)
- ◆ Certificate of Appreciation, from Orell Technosystems (India) Pvt Ltd
- ◆ Technical partner of Dassault Systemes
- ◆ Technical Partner of PTC
- ◆ Academic partner of Nehru group of Institutions, VJCET, MCET, JCET, Rajagiri School of Engineering & Technology.



### 7 strategies adopted at TTRC

### EYE ON TTRC

#### - Uniqueness of TTRC

TTRC has set new standards in training by the virtue of Mission & Vision, the kind of quality assurance, 360° services from beginner to advanced level and mainly the transparency. The type of quality assurance under which TTRC services are implemented, do include a wide range of certifications and accreditations summing up to the uniqueness of TTRC.

#### Geographical Presence

TTRC is currently operating at the following locations:

- **Queen of Arabian Sea-Cochin**  
33/148, Chooraparambil Building, Alinchuvadu, Edappally  
Cochin-682024
- **Engineering/IT Hub-Bangalore**  
401, 4th floor, Connection Point HAL Airport Arrivals road  
Bangalore-17
- **Overseas presence-KSA**  
P. O. Box 1034, Jubail Industrial City, Khobar-31961
- **City of Pearls-Hyderabad**  
303, Krishna Plaza, Opp Shadan College, Khairatabad,  
Hyderabad-500004

## Industrial-Institutional Partnership Cell (IIPC)

**The Perspective of IIPC Combination Program is perfect blend of technical & management concepts with hands-on practice on Design & Analysis Software.**

TTRC proudly introduces its **Industrial based Institutional Partnership Cell (IIPC)** for the benefit of job seekers- professionals / corporate/educational institutions simplifying their needs. The IIPC cell was conceived by AAPL to work closely with the industries to offer solutions for design & analysis problems in CAD/CAM/CAE domain, lately taken up by TTRC.

Engineers being a part of this cell can work on real-time projects, offering engineering solutions to our clients. The cell aims to remove the discrepancy between the skills gathered by an individual and the skills actually required by the industry in today's competitive arena.



## Team TTRC

### TTRC Associates

Technology Training and Research Center has been formulated on strong foundations of Knowledge Transfer to achieve Industry Academic bridging. TTRC associates is the body of members which contribute for the success of this mission on a not for profit model. TTRC associates share ideas and advices Team TTRC from time to time on the Industry requirements and knowledge build up.

TTRC associates are reputed and committed members of esteemed organization. Association with TTRC is strictly for the purpose of value addition to knowledge pool and at the sole discretion of associates.

### Profile: TTRC Head - Training Solutions

Mr. Shino Ulahannan - Director ( TTRC ) is one of those few Individuals who has at a very early stage dedicated himself towards the cause of bridging the divide in Indian education sector and Industrial requirements. Mr. Shino is a graduate in Aeronautical Engineering and holds Membership with Aeronautical Society of India. He has been constantly involved in mentoring students towards understanding and conceptual application of engineering.

At the onset of his career Mr. Shino had prior short stint as lecturer in Regional Institute of Aviation. Subsequently Mr. Shino was involved with Hindustan Aeronautics Limited , which he joined as Management trainee in the year 2007. During his tenure in PSU Mr. Shino Worked in close collaboration with Aircraft Research and Development Center , HAL Ban-galore.

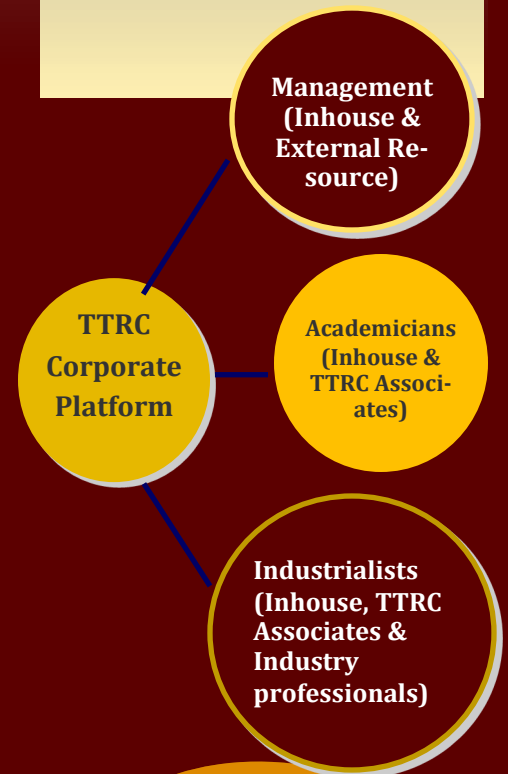
Mr. Shino's interest towards working for a bigger objective lead him to move ahead and join hands with Airframe Aerodesigns Pvt. Ltd where he worked in tandem with the design projects & engineering education. Towards the front of engineering his area of interest is FEM and its applications to process industries.

*'Technology Training And Research Centre has been successful in grooming the budding Engineers so as to develop themselves as Problem Solvers. I wish TTRC to continue its unmatched Training Philosophy in this regard by further collaboration with Industries and Academia, Thus meeting the challenges of Indian HR on a global scale.'*

**Salith Moosa**

**M.D & C.E.O**

**Airframe Aerodesigns Pvt Ltd.**



**TECHNOLOGY TRAINING & RESEARCH CENTRE**

[www.aapltrc.in](http://www.aapltrc.in)

