



TKM COLLEGE OF ENGINEERING

(A Government Aided and Autonomous Institution)

DEPARTMENT OF MECHANICAL ENGINEERING



M. TECH IRCE

(INDUSTRIAL REFRIGERATION & CRYOGENIC ENGINEERING)

Register with the DTE portal

admissions.dtekerala.gov.in/

(Mandatory requirement)

Eligibility: 60% marks in B.Tech./B.E.

Eligible Branches: Mechanical/ Aeronautical / Automobile/ Industrial/Mechanical(Automobile)/ Mechanical (Production),/ Mechatronics, Metallurgical and Materials/ Production Engineering.

Fees: Government fees only

HIGHLIGHTS

- NBA Accredited
- Eminent Faculty
- State of the art facilities

CONTACT DETAILS

Dr. Dileep P. N. (HOD)
94474 53099

Dr. Shafi. K.A (PG Coordinator)
94474 62274

Research Laboratories and facilities

- **Test Rigs:** Vapour Compression and Absorption Refrigerators, Air conditioning System, Cooling tower, etc.
- **Cryogenic Facilities:** Cryo-treatment, Cryo-grinding, Cryogenic insulation testing, Emissivity measurement, Chill-down studies, Void Fraction measurement, Two phase flow systems, etc.
- **Advanced Systems:** Liquid nitrogen vacuum pump, Thermo-acoustic prime mover, GM & Pulse-tube Cryo coolers, Turbomolecular Vacuum Pump, Liquid Nitrogen Production Plant (DST-FIST Sponsored)
- Opportunities/Projects in Computational Fluid Dynamics Lab, Space Lab, Nano Lab, Energy Lab, DST- FIST Lab, ISRO START Nodal Centre, etc.

International Internships

University of Twente (UT), Netherlands

- Mr. Anvar V A (2015)
- Mr. Ashok K.B.(2016)
- Mr. Binet Monachen
- Mr. Varun C Baby (2017)
- Mr. Sachin J. Purushothaman (2020)

Karlsruhe Institute (KIT), Germany

- Mr. Sankar Ram (2015)

Kookmin University, S Korea

- Mr. Abdul Mohizin (2016)

Mahidol University, Thailand

- Mr. Mayur Kishore, (2020)

Universiti Teknologi Malaysia

- 2 Student Internships

PLACEMENTS & HIGHER STUDIES IN INTERNATIONAL AND NATIONAL ORGANIZATIONS



UNIVERSITY OF TWENTE.



KAMCO
Herala Agro Machinery Corporation Ltd.



Mahidol University
Wisdom of the Land



Mechademy Incorporated