



# VEL TECH<sup>®</sup>

Dr.RR & Dr.SR

TECHNICAL UNIVERSITY

University u/s 3 of UGC Act, 1956

Avadi, Chennai

ACCREDITED BY NAAC WITH 'A' GRADE

एफ.सी.आर.आई



## FLUID CONTROL RESEARCH INSTITUTE

(Ministry of Heavy Industries, Govt. of India.)  
Kanjikode West, Palakkad, Kerala - 678623.

# Announces M.Tech Admissions



This two year M.Tech differs from any traditional control/measurement courses in the specialisation, content & the delivery system. This course is offered in association with Fluid Control Research Institute (FCRI), a premier research institute under the Ministry of Heavy Industries, Govt. of India. The students will be trained in advanced digital methodologies involved in measurements & control and in the second phase of the course the students will be trained specially on flow related controls and data acquisition systems. It is a 2 year programme. First year being spent at Vel Tech and third semester at FCRI. The students completing this course will have the ability to design and develop systems for modern digital controls and hence have the potential to be on floor from day one.

## M-TECH- PROGRAMME IN MEASUREMENTS & CONTROL

### FIRST YEAR SUBJECTS AT VEL TECH

- ❖ Mathematics for Instrumentation Engineering
- ❖ Transducer & Smart Instruments
- ❖ Advanced Digital Signal Processing
- ❖ Industrial Instrumentation
- ❖ Industrial Data Communication
- ❖ Advanced Control system
- ❖ Process Control and Instrumentation Lab
- ❖ Instrumentation System design
- ❖ Industrial Automation
- ❖ Industrial Automation Lab

### Elective I - MEASUREMENT AND INSTRUMENTATION

- ❖ System Identification
- ❖ Process Modelling & Simulation
- ❖ Power Plant Instrumentation & Instrumentation in Petrol Chemical Industries

### Elective II - CONTROL AND AUTOMATION

- ❖ Advanced Process Control
  - ❖ Optimal Control And Filtering
  - ❖ Adaptive Control
- ### Elective III - INTERDISCIPLINARY
- ❖ MEMS & Nano Technology
  - ❖ Applied Soft computing
  - ❖ Wireless Sensor Network

### SECOND YEAR SUBJECTS AT FCRI

- ❖ Basic Flow Measurement Methodologies
- ❖ Advanced Flow Measurement & Control
- ❖ Flow Measurement Lab
- ❖ Project Phase I, II\*

### PROJECT WORK:

The students will do their project work at FCRI or in a core Industry depending upon their placement.

### SELECTION PROCEDURE:

Based on candidates performance in entrance Exam and personal interview

**ELIGIBILITY:** B.E/B.Tech in EEE, E&I, ECE, ICE or its equivalents.

**For Fees and other details please visit our website.**

**ENTRANCE EXAMINATION & COUNSELING WILL BE CONDUCTED DURING THE MONTH OF JUNE / JULY. CLASSES WILL COMMENCE IN AUGUST**

**HOW TO APPLY: APPLICATION FORMS CAN BE DOWNLOADED FROM THE WEBSITE [www.veltechuniv.edu.in](http://www.veltechuniv.edu.in) OR CAN BE OBTAINED BY CONTACTING:**

#### Project Manager

Vel Tech Dr.RR & Dr.SR Technical University  
#42 & 60, Avadi-Vel Tech Road, Avadi, Chennai - 600 062.  
Phone :044-26840605, Cell No:8754484200, 9840438622  
E-mail :veltech@vsnl.com

#### HEAD OFFICE:

'Santi Sudha' #38, ABM Avenue (Opp. Park Sheraton Hotel)  
R.A. Puram, Chennai - 600 028  
**CITY OFFICE:** #34, Gandhi Mandapam Road,  
Next to SBI, Kotturpuram, Chennai - 600 085.  
E-mail: veltech@vsnl.com, admission@veltechuniv.edu.in

#### Shri. G. Sundaravadivel,

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